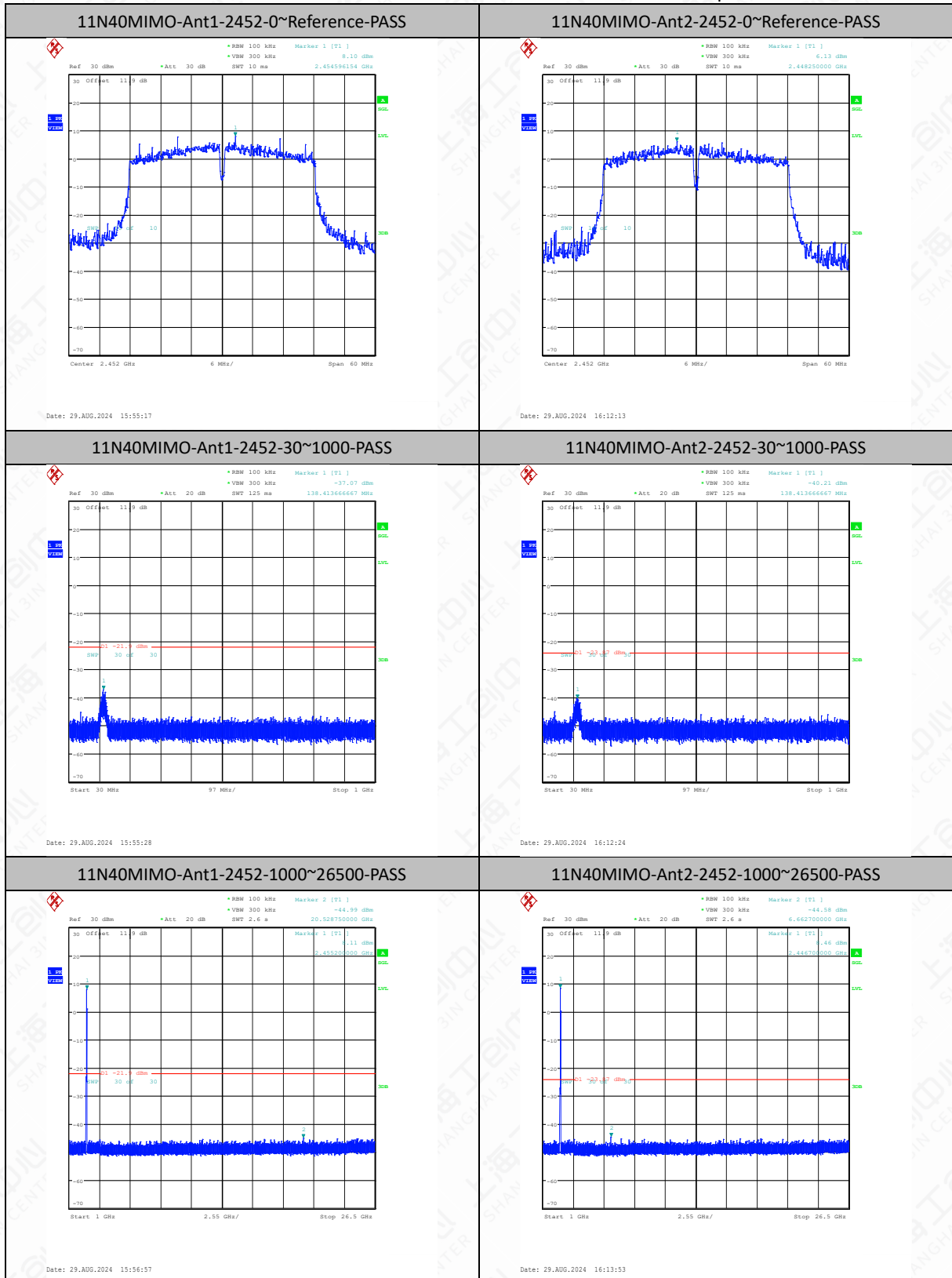
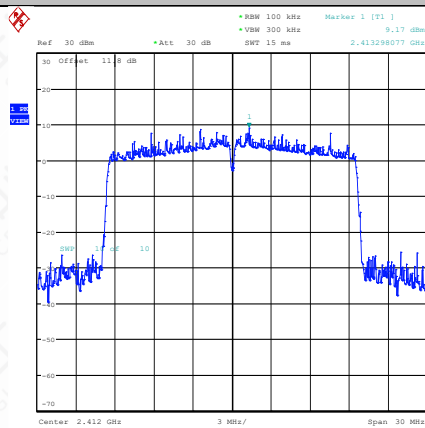


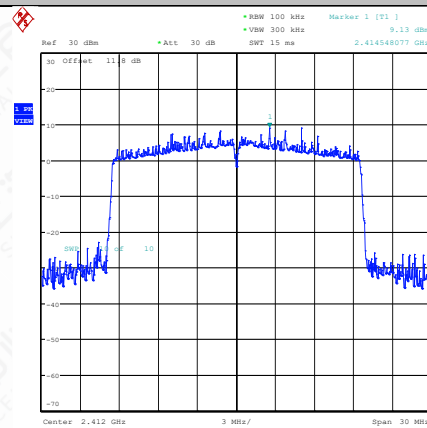


11AX20MIMO-Ant1-2412-0~Reference-PASS



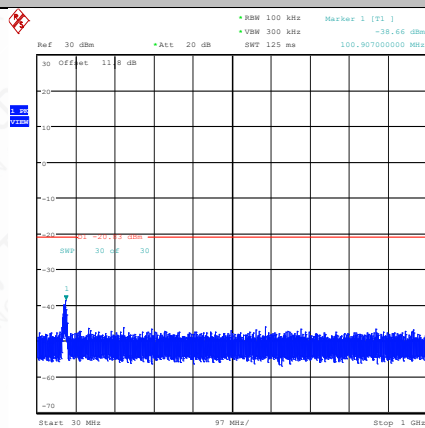
Date: 29.AUG.2024 17:28:30

11AX20MIMO-Ant2-2412-0~Reference-PASS



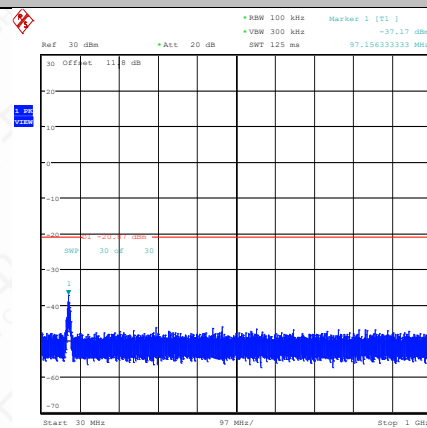
Date: 29.AUG.2024 17:38:58

11AX20MIMO-Ant1-2412-30~1000-PASS



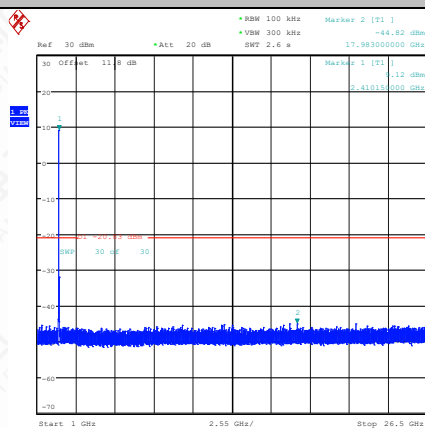
Date: 29.AUG.2024 17:28:42

11AX20MIMO-Ant2-2412-30~1000-PASS



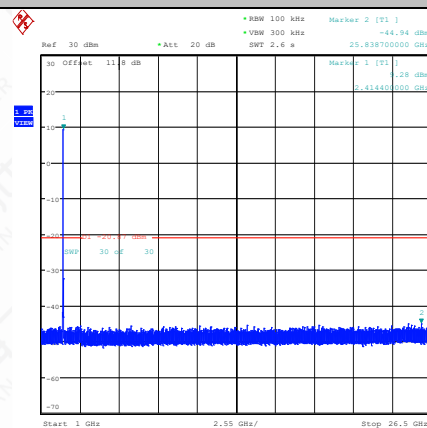
Date: 29.AUG.2024 17:39:09

11AX20MIMO-Ant1-2412-1000~26500-PASS

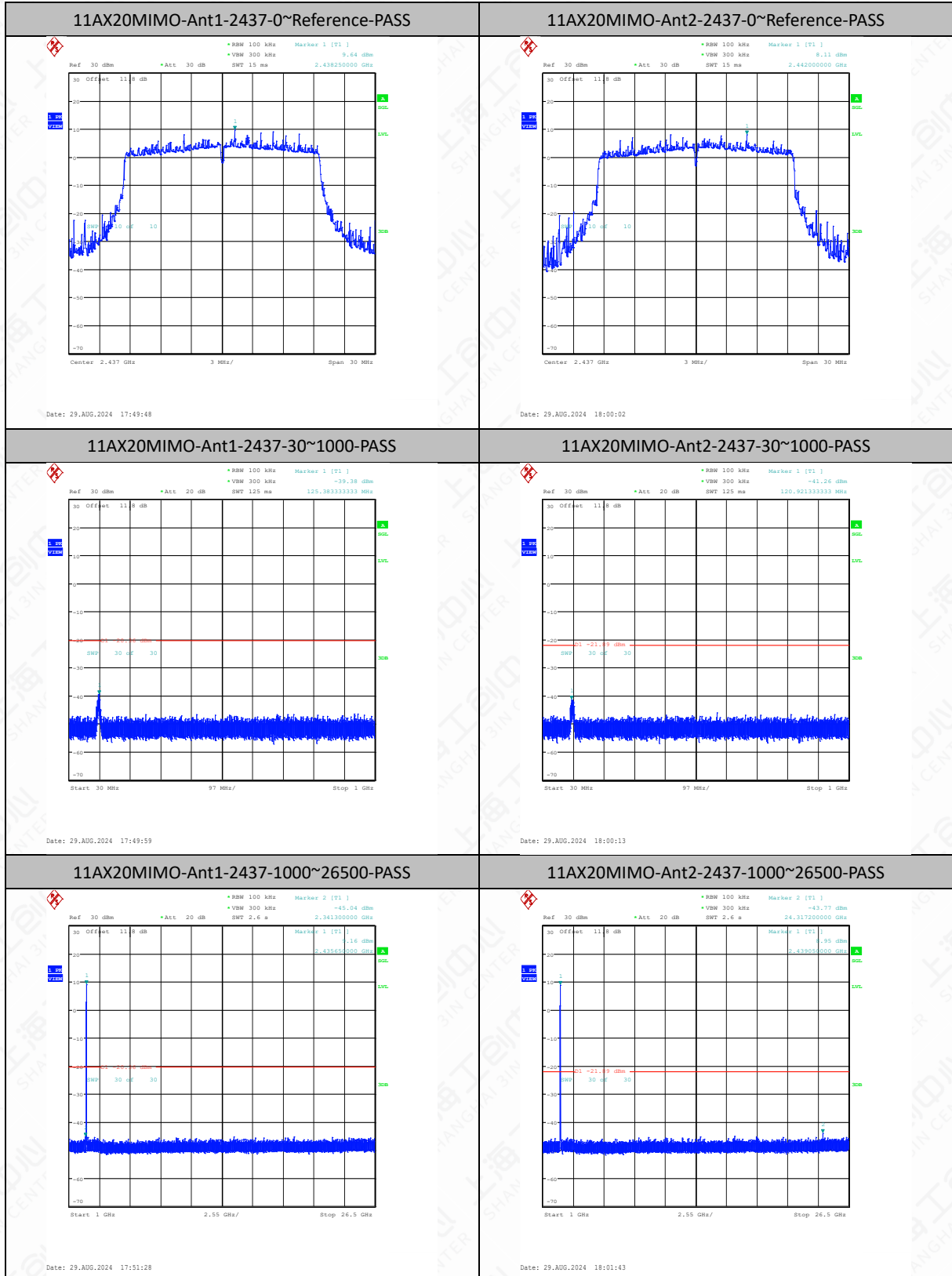


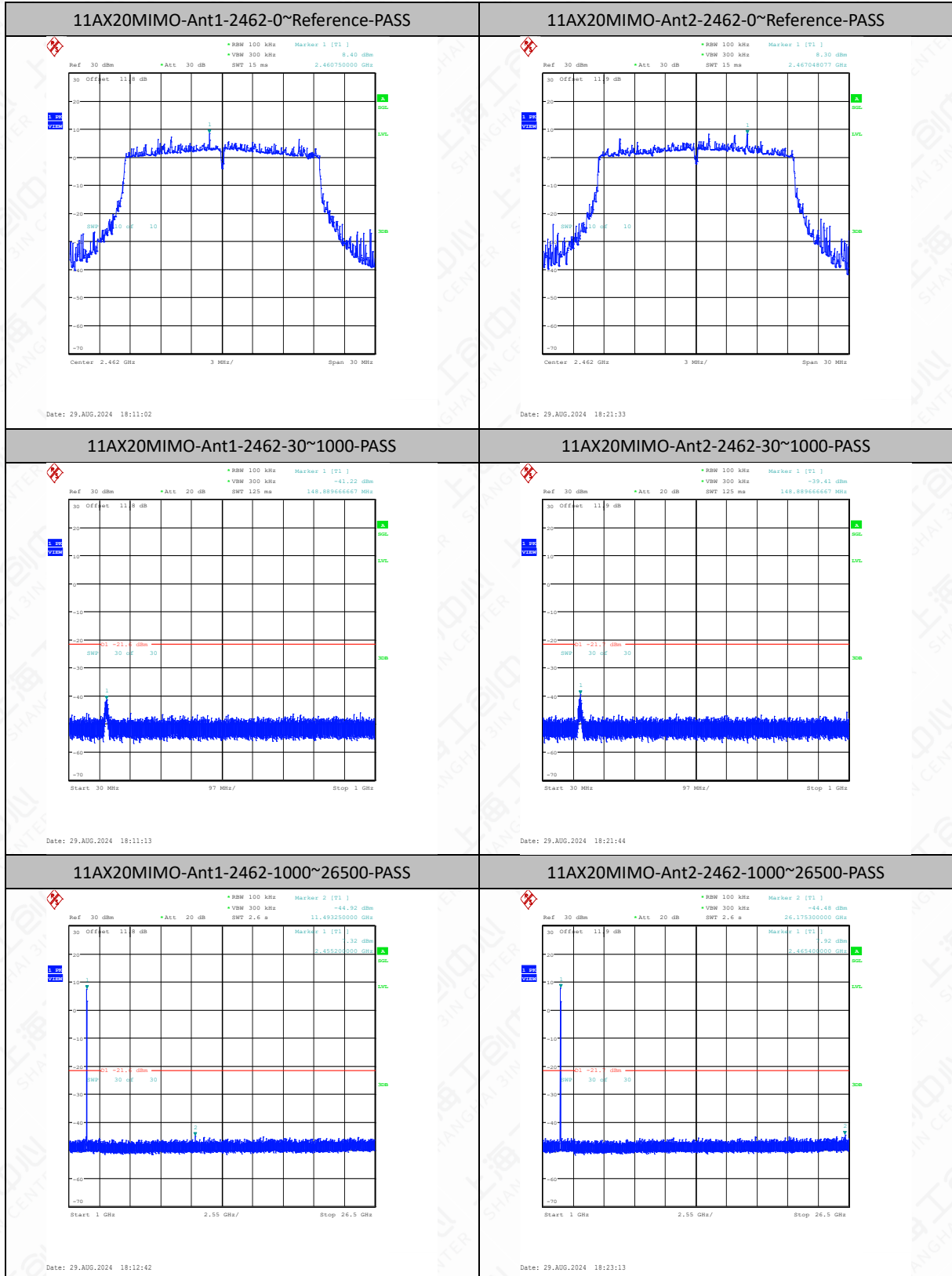
Date: 29.AUG.2024 17:30:11

11AX20MIMO-Ant2-2412-1000~26500-PASS

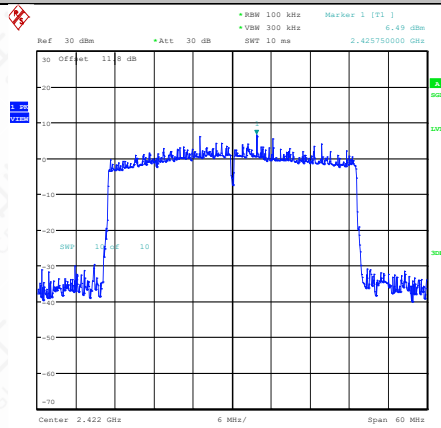


Date: 29.AUG.2024 17:40:38



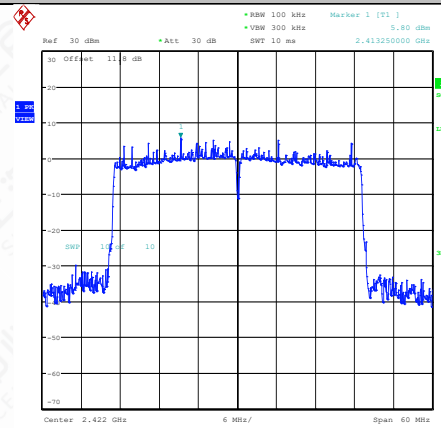


11AX40MIMO-Ant1-2422-0~Reference-PASS



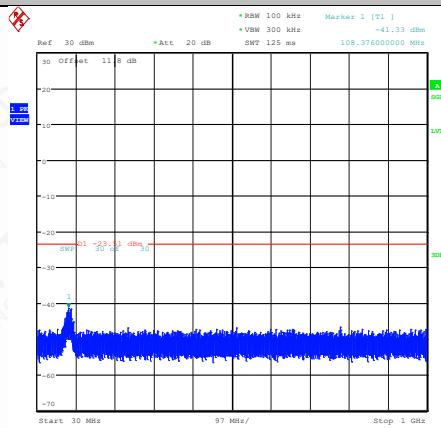
Date: 30.AUG.2024 10:35:28

11AX40MIMO-Ant2-2422-0~Reference-PASS



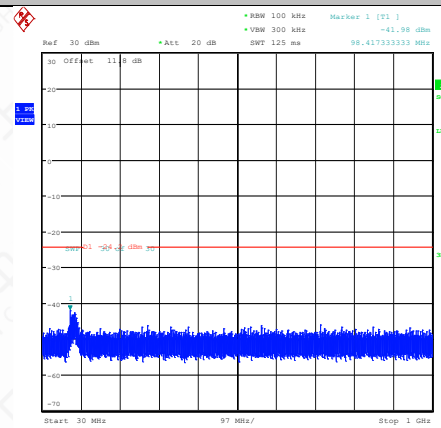
Date: 30.AUG.2024 10:53:05

11AX40MIMO-Ant1-2422-30~1000-PASS



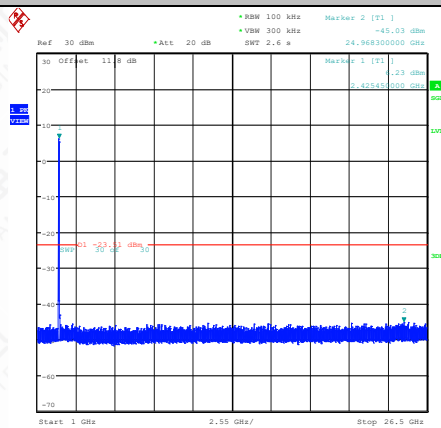
Date: 30.AUG.2024 10:35:40

11AX40MIMO-Ant2-2422-30~1000-PASS



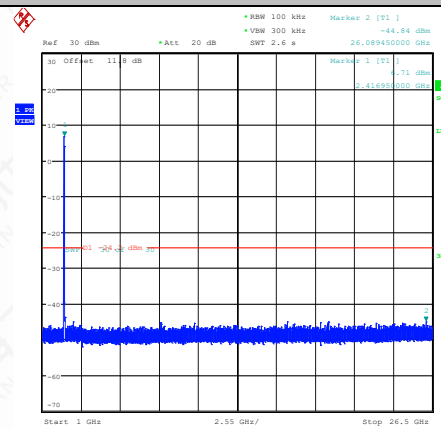
Date: 30.AUG.2024 10:53:16

11AX40MIMO-Ant1-2422-1000~26500-PASS

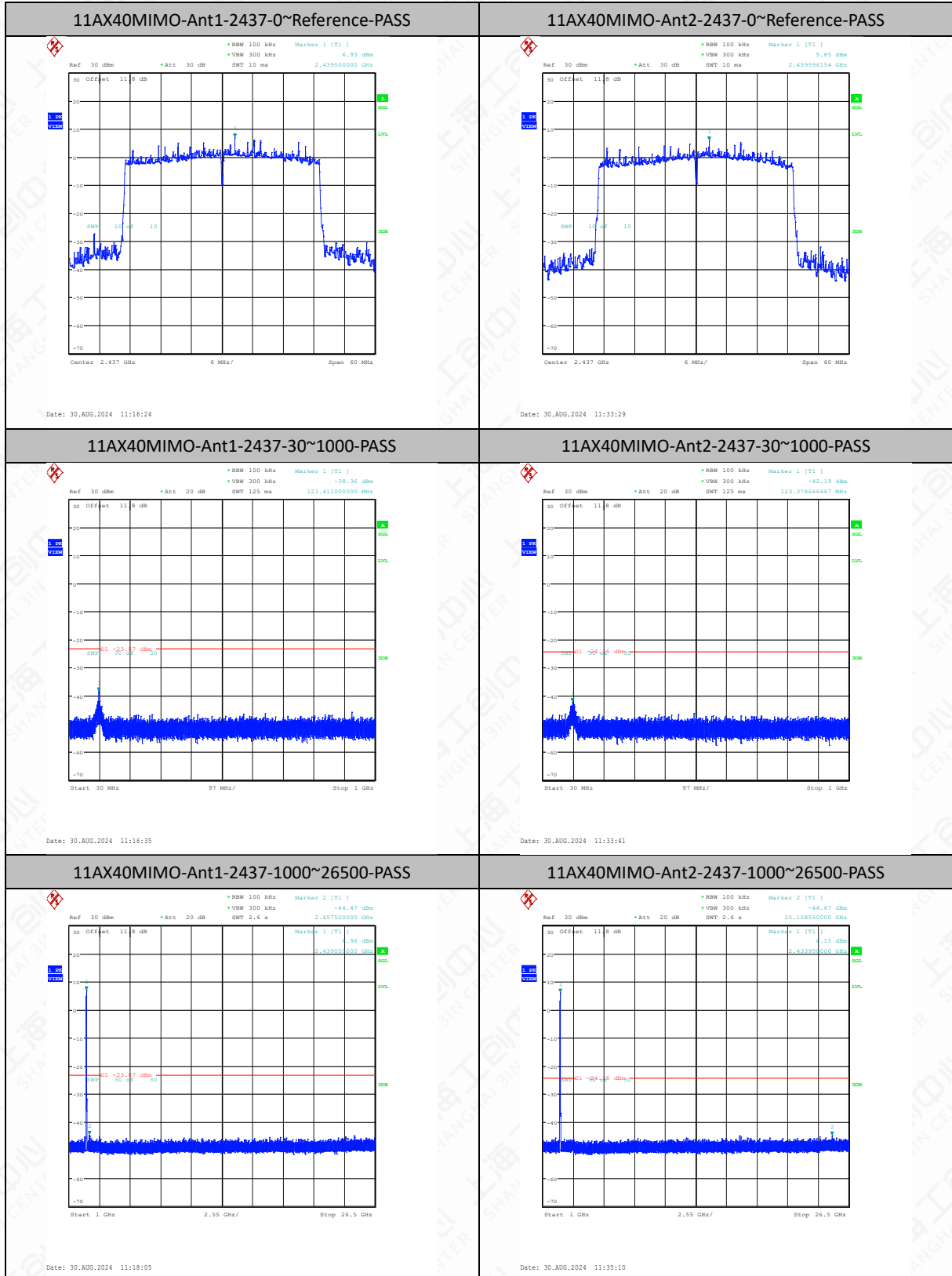


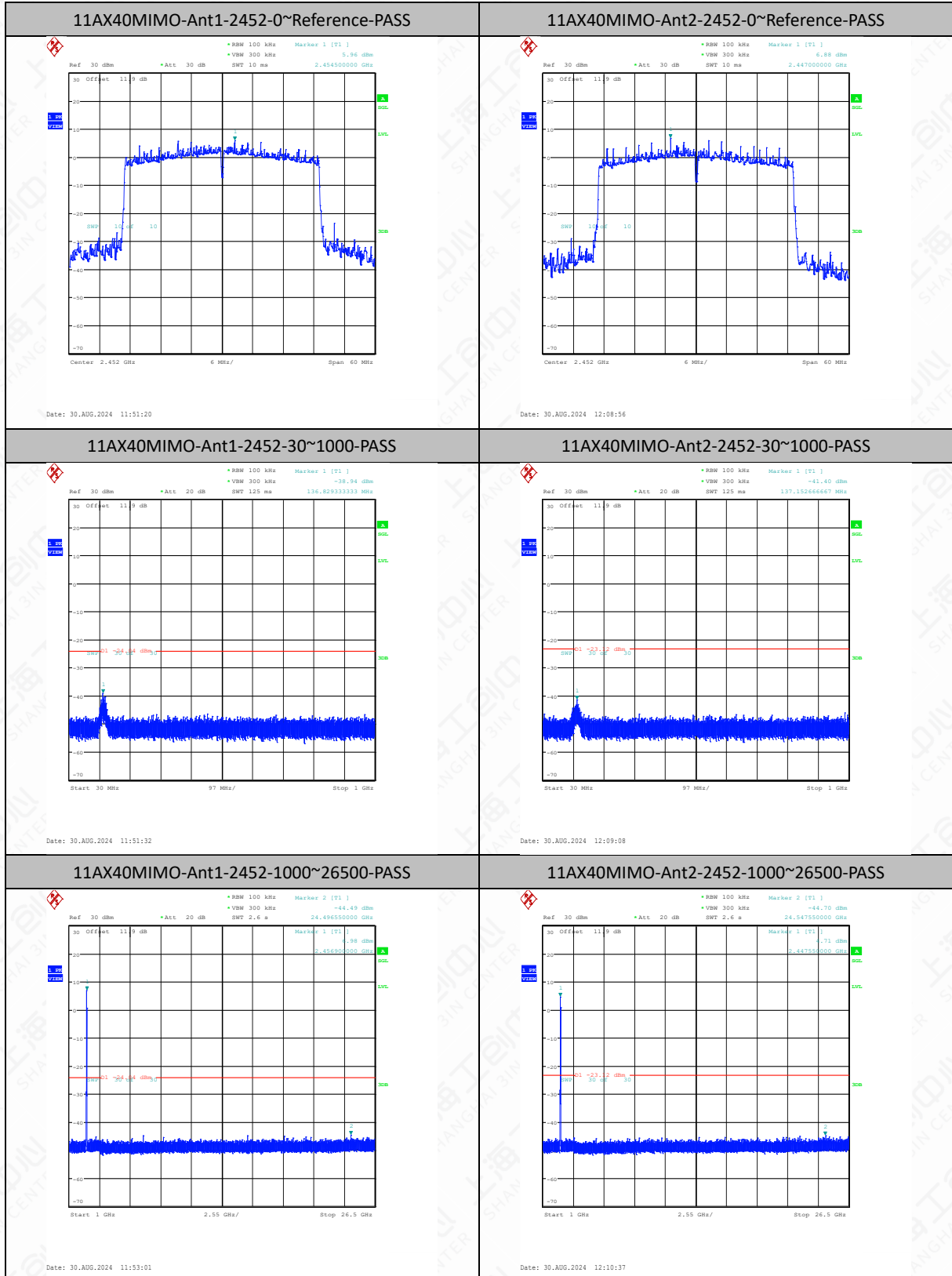
Date: 30.AUG.2024 10:37:09

11AX40MIMO-Ant2-2422-1000~26500-PASS



Date: 30.AUG.2024 10:54:46





6.8 Transmitter Spurious Emission-Radiated

6.8.1 Measurement Limit

Below 1G Limit:

Frequency of emission (MHz)	Field strength(dBμV/m)	Measurement distance(m)
0.009-0.490	129-94	3
0.490-1.705	74-63	3
1.705-30	70	3
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

Note: for frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m

Above 1G, non-restricted band

Standard	EIRP Limit
15.407(b)	-27dBm/MHz

Above 1G, Restricted band

Standard	EIRP Limit	
15.407(b)	-27dBm/MHz	
15.209	Peak	74dBμV/m
	Average	54dBμV/m

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} + 20 \log(d[\text{m}]) - 104.7$$

$$\text{E[dB}\mu\text{V/m]} = \text{EIRP[dBm]} - 20 \log(d[\text{m}]) + 104.7$$

$$\text{E[dB}\mu\text{V/m]} = \text{EIRP[dBm]} + 95.2 = 68.2, \text{ for } d = 3\text{m}$$

6.8.2 Limit in restricted band

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
0.009~0.49	2400/F (kHz)	129-94
0.49~1.705	24000/F (kHz)	74-63
1.705~30	30	70
30~88	100	40
88~216	150	43.5
216~960	200	46
Above 960	500	54

6.8.3 Test procedures

The measurement is according to ANSI C63.10 clause 11.11 and 11.12.

Portable, small, lightweight, or modular devices that may be handheld, worn on the body, or placed on a table during operation shall be positioned on a non-conducting platform, the top of which is 80 cm above the reference ground plane. The preferred area occupied by the EUT arrangement is 1 m by 1.5 m, For emissions testing at or below 1 GHz, the table height shall be 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. but it may be larger or smaller to accommodate various sized EUTs. For testing purposes, ceiling- and wall-mounted devices also shall be positioned on a tabletop (see also ANSI C63.10-2013 section 6.3.4 and 6.3.5). In making any tests involving handheld, body-worn, or ceiling-mounted equipment, it is essential to recognize that the measured levels may be dependent on the orientation (attitude) of the three orthogonal axes of the EUT. Thus, exploratory tests as specified in 8.3.1 shall be carried out for various axes orientations to determine the attitude having maximum or near-maximum emission level.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height varied from 1m to 4m and the EUT azimuth were varied from 0° to 360° in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Test Settings – Below 1GHz (Quasi-Peak Field Strength Measurements)

1. Set the center frequency and span to encompass frequency range to be measured.
2. Set the RBW = 100 kHz.
3. Set the VBW = 300 kHz.
4. Detector = quasi-peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Trace was allowed to stabilize.

Test Settings – Above 1GHz (Peak Field Strength Measurements)

1. Set the center frequency and span to encompass frequency range to be measured.
2. Set the RBW = 1MHz.
3. Set the VBW = 3MHz.
4. Detector = peak
5. Trace mode = max hold
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

Test Settings – Above 1GHz (Average Field Strength Measurements)

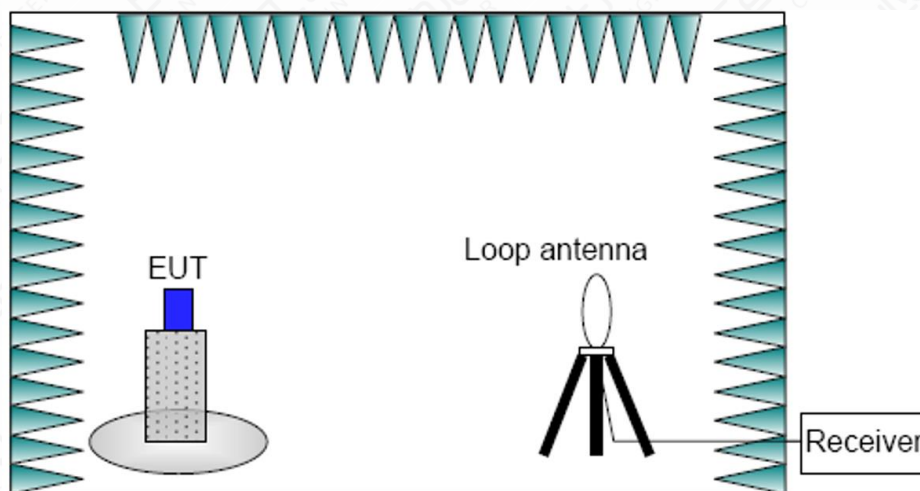
1. Set the center frequency and span to encompass frequency range to be measured.
2. Set the RBW = 1MHz.
3. Set the VBW = 3MHz.
4. Detector = power average (RMS).
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span} \backslash \text{RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

Frequency of emission	RBW/VBW	Sweep Time (s)
0.009~30	9KHz/30KHz	Auto

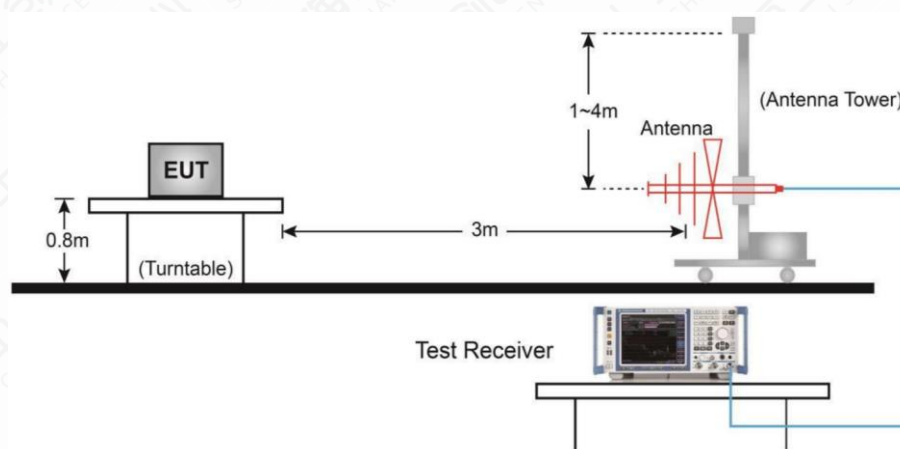
30~1000	100KHz/300KHz	5
1000~4000	1MHz/3MHz	15
4000~18000	1MHz/3MHz	40
18000~26500	1MHz/3MHz	20

6.8.4 Test Setup

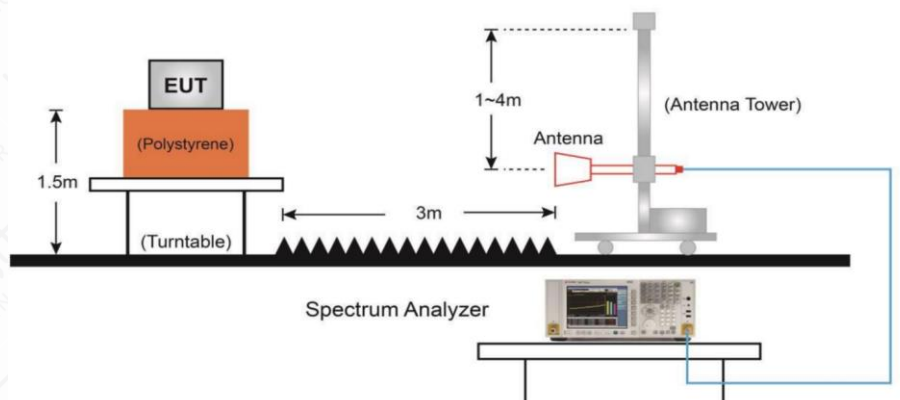
Below 30MHz Test Setup



Below 1GHz Test Setup



Above 1GHz Test Setup



6.8.5 Measurement Results

A "reference path loss" is established and A_{Rpi} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

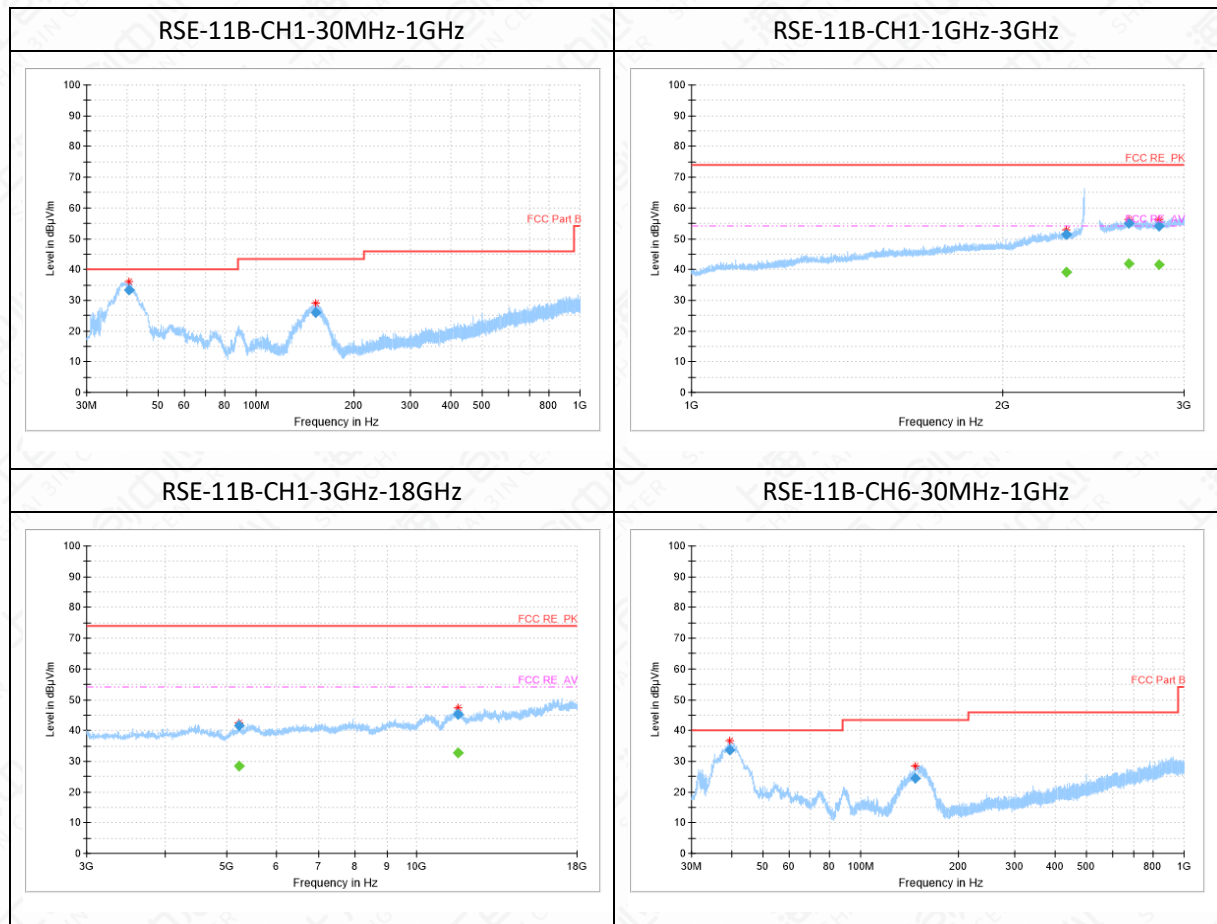
The measurement results are obtained as described below:

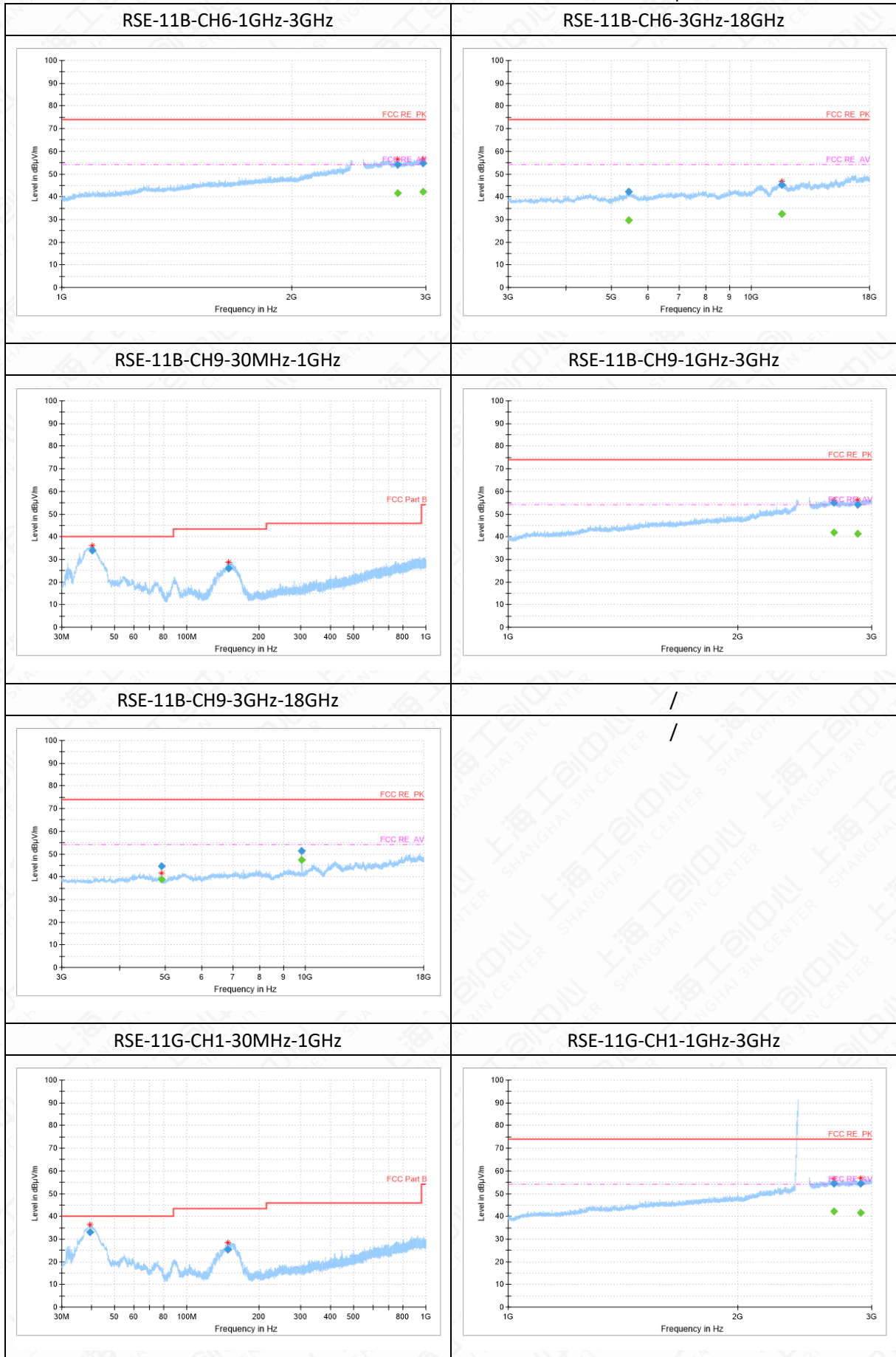
A_{Rpi} = Cable loss + Antenna Factor-Preamplifier gain

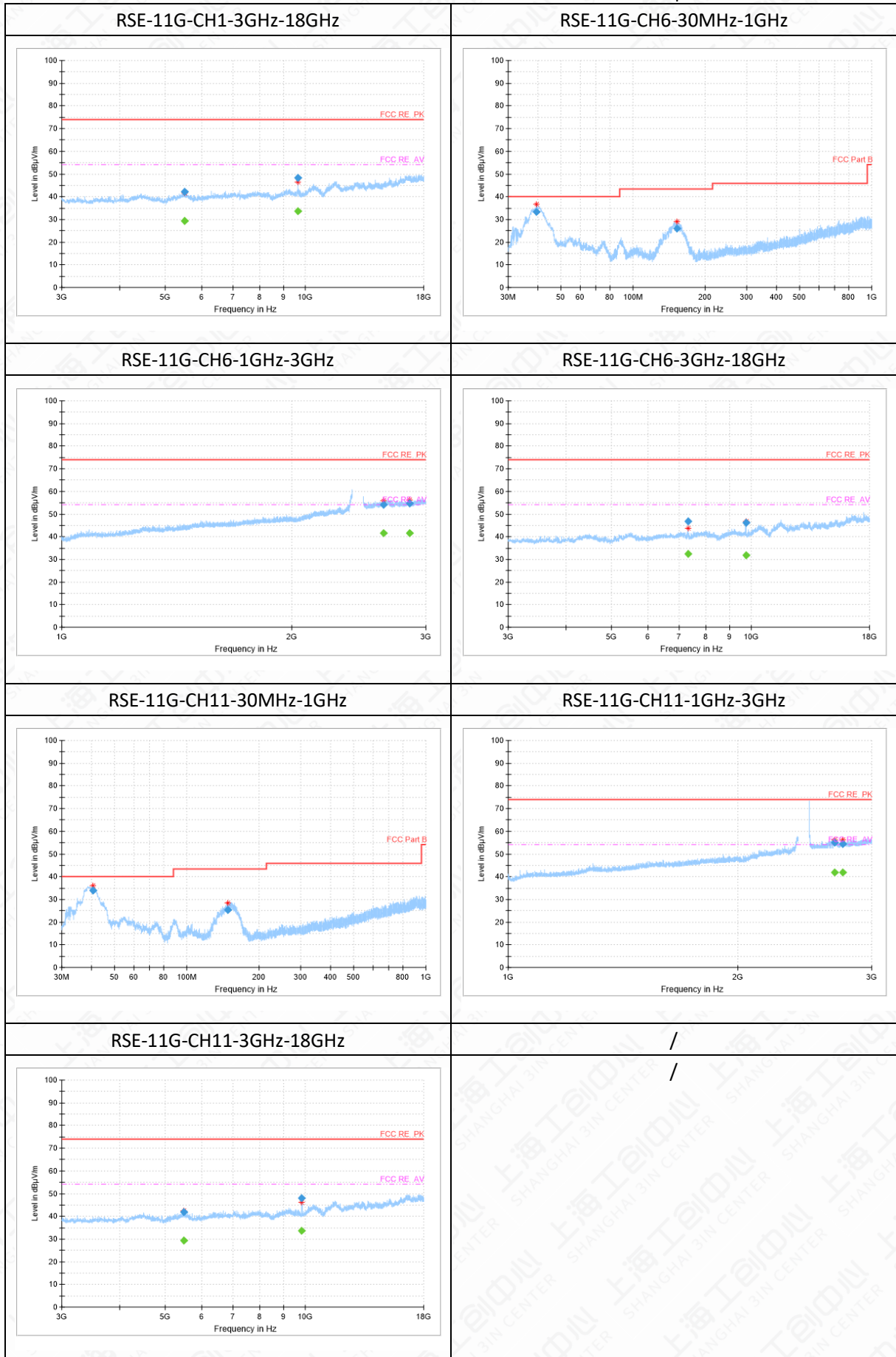
Result = P_{Mea} + Cable loss + Antenna Factor-Preamplifier gain = P_{Mea} + A_{Rpi} .

Note:

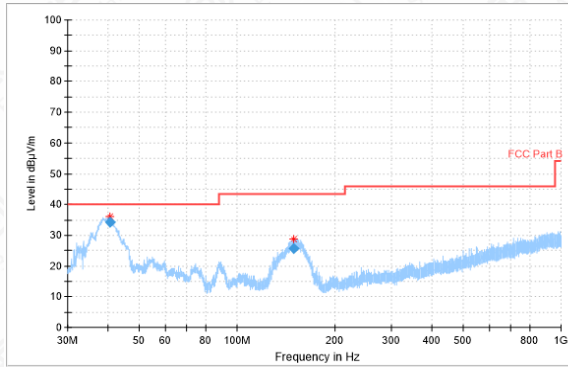
1. The out-of- limit signal in the picture is the main frequency signal.
2. Only data in worst mode is provided.
3. Sweep the whole frequency band through the range from 30MHz to the 10th harmonic of the carrier, the Emissions in the frequency band 18GHz-26.5GHz is more than 20dB below the limit are not report.
4. The test data below 30MHz is more than 20dB lower than the limit value, so it is not provided in the report.
5. Horizontal and vertical polarity is all have been tested, the result of them is synthesized in the above data diagram.



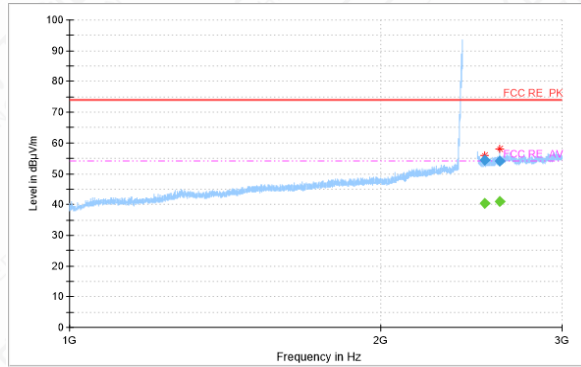




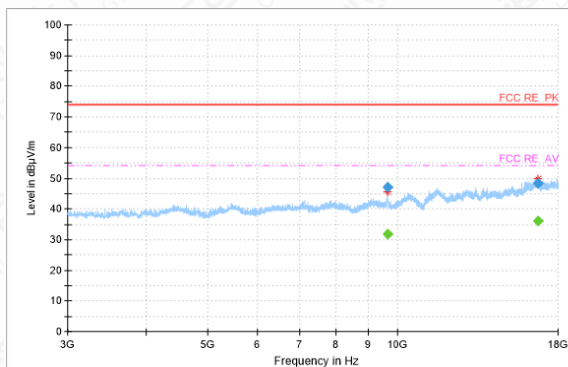
RSE-11N-CH1-30MHz-1GHz



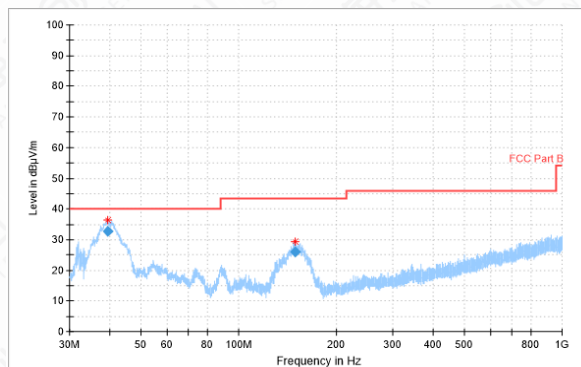
RSE-11N-CH1-1GHz-3GHz



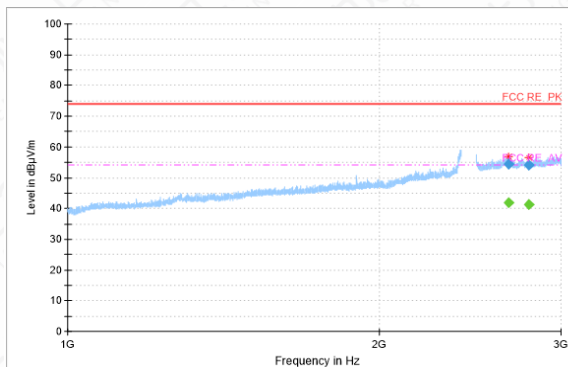
RSE-11N-CH1-3GHz-18GHz



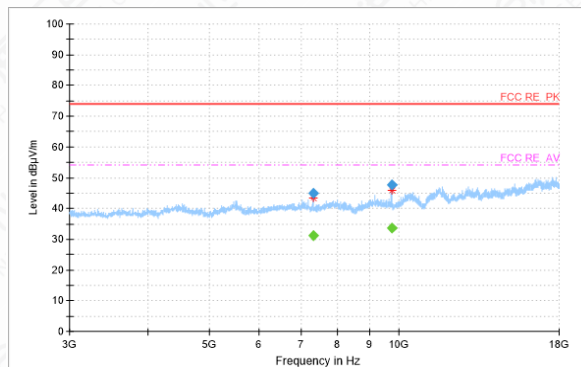
RSE-11N-CH6-30MHz-1GHz



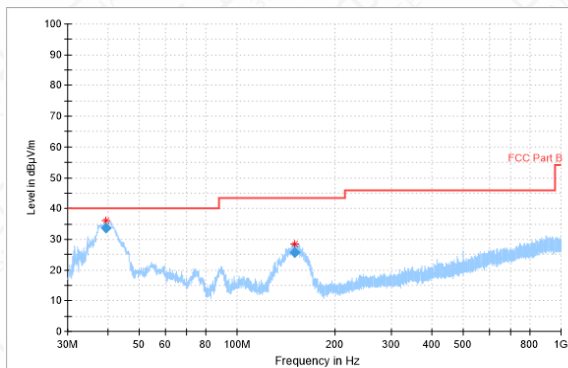
RSE-11N-CH6-1GHz-3GHz



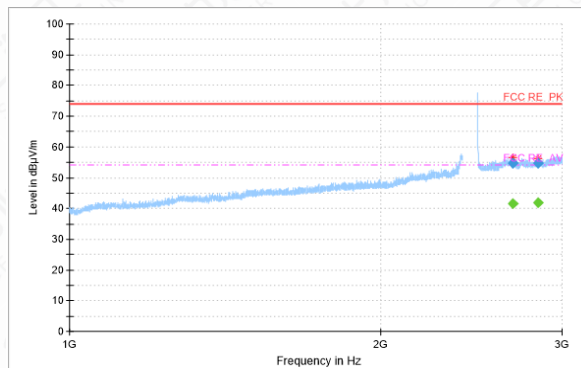
RSE-11N-CH6-3GHz-18GHz

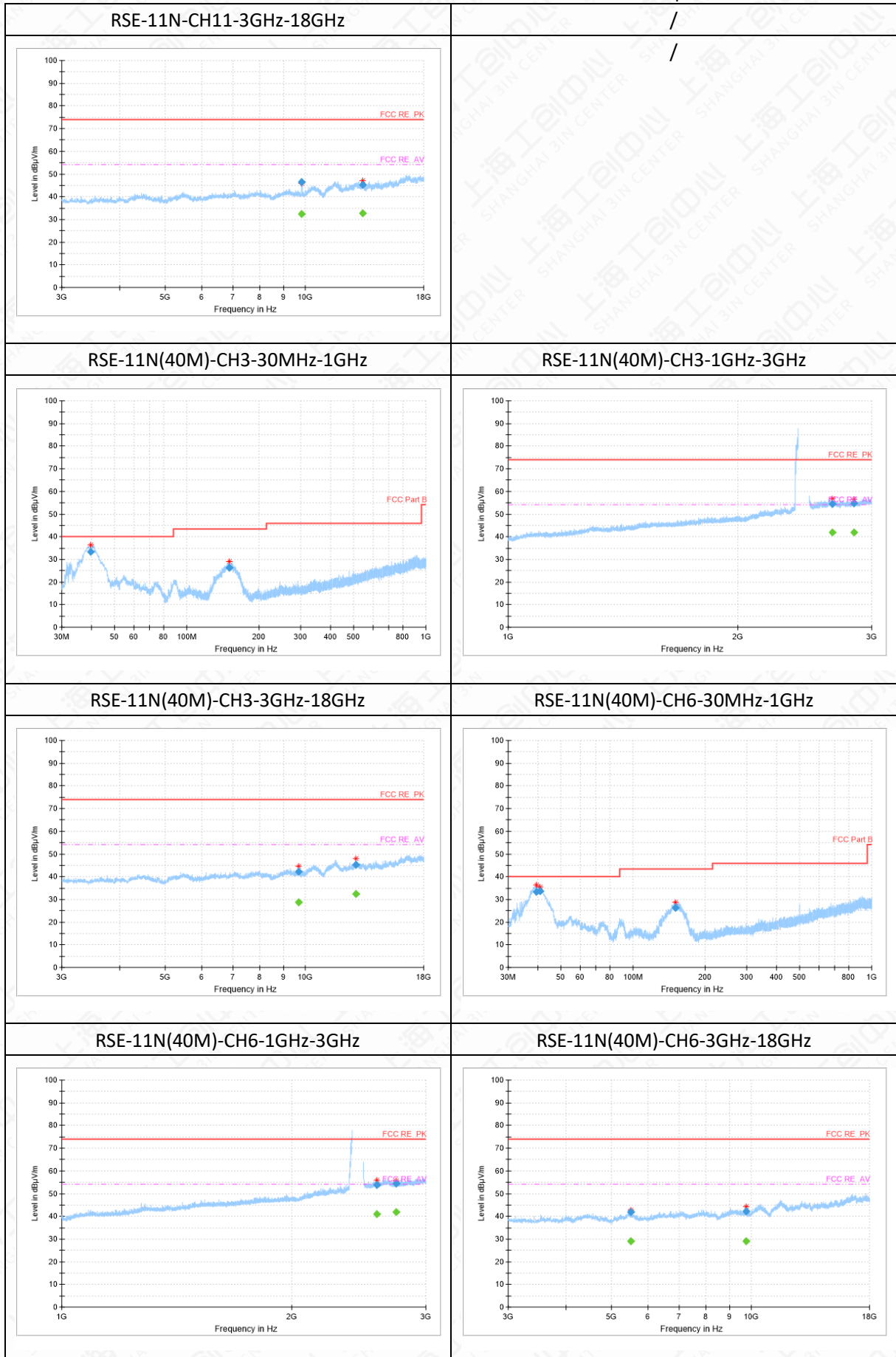


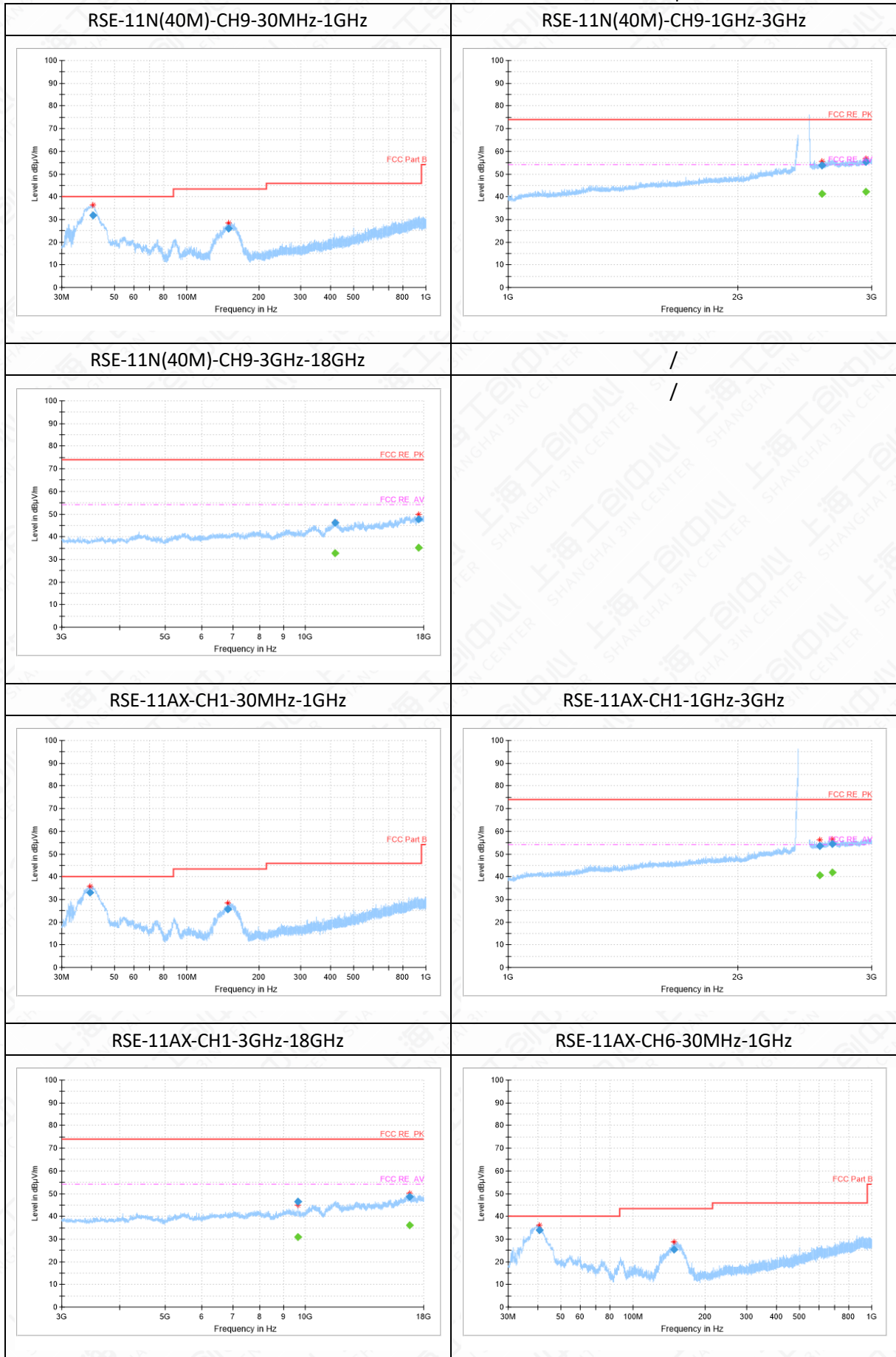
RSE-11N-CH11-30MHz-1GHz

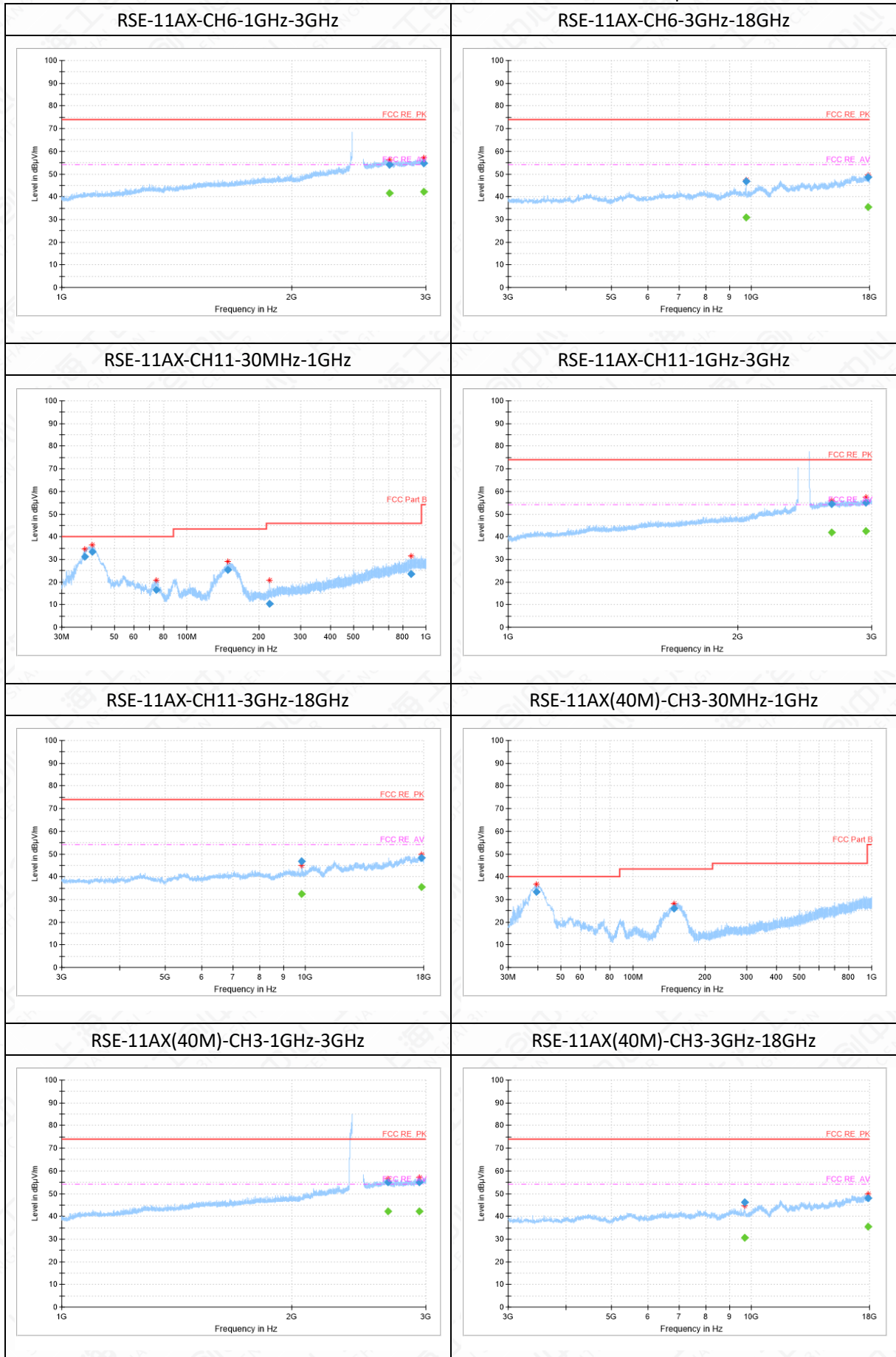


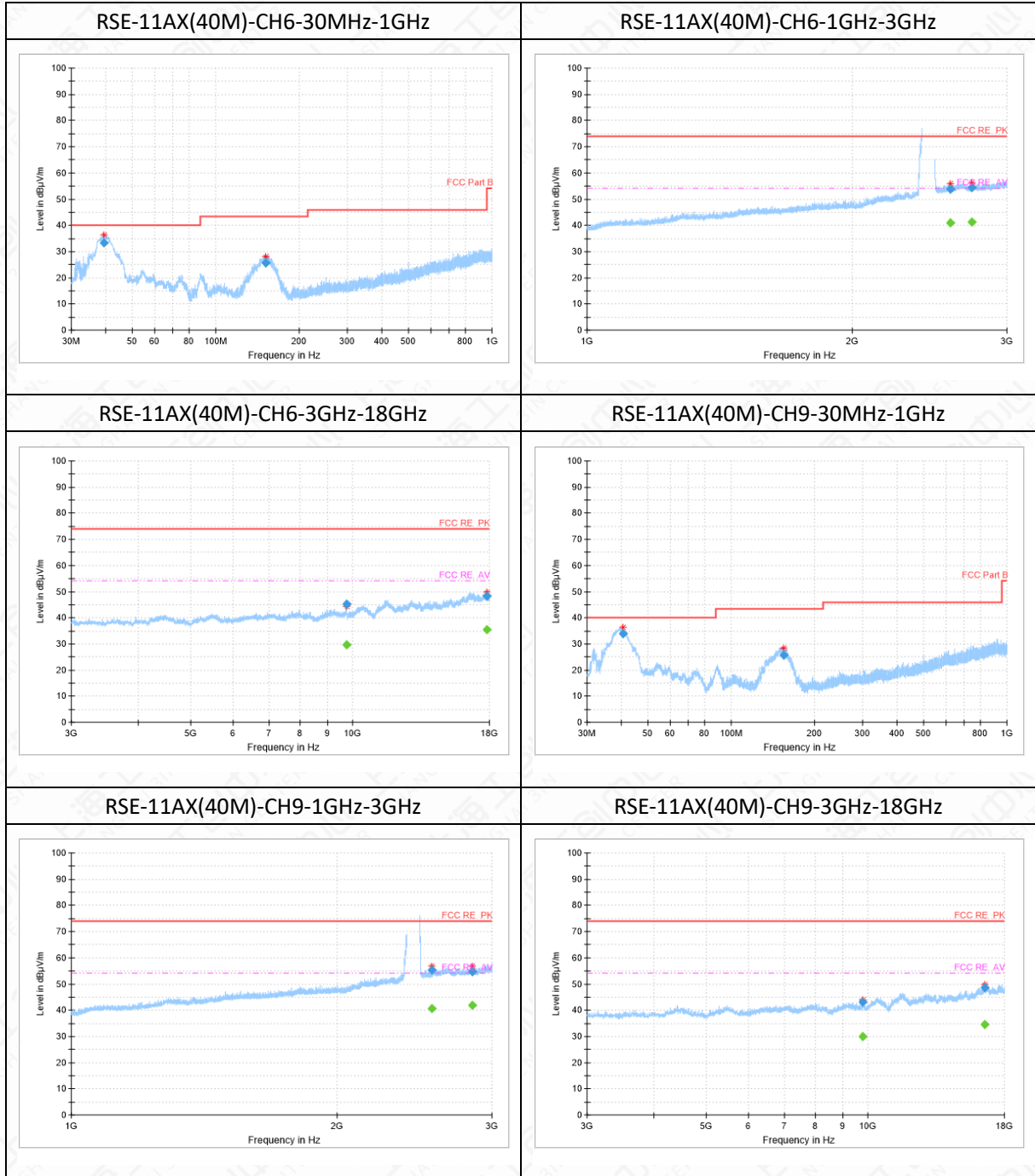
RSE-11N-CH11-1GHz-3GHz



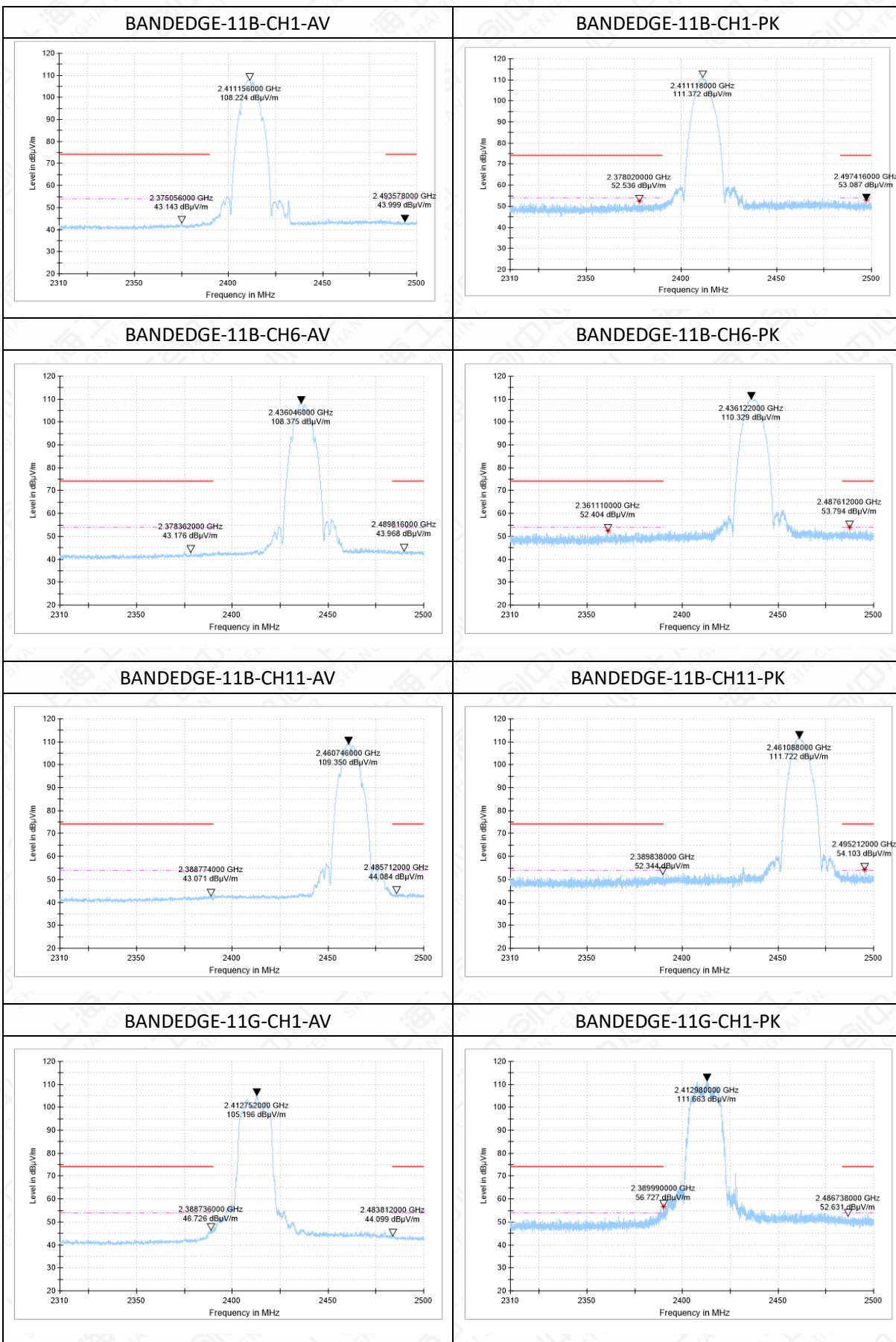




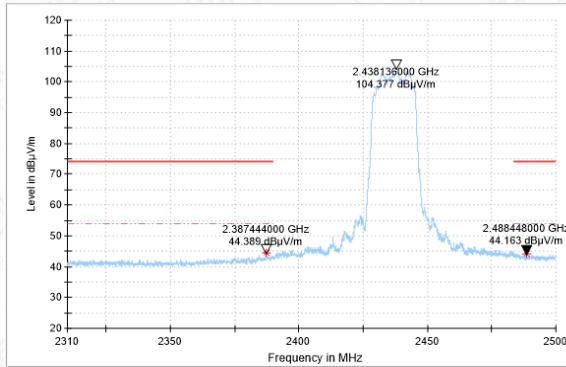




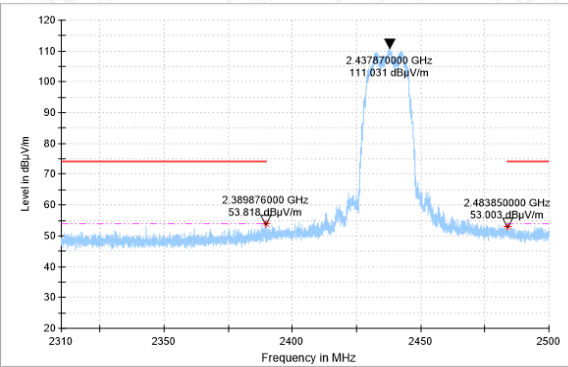
BANDEDGE



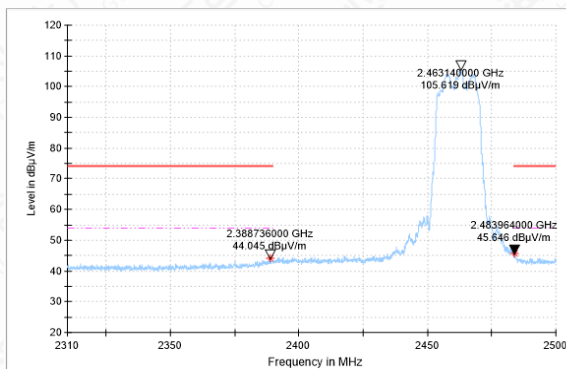
BANDEDGE-11G-CH6-AV



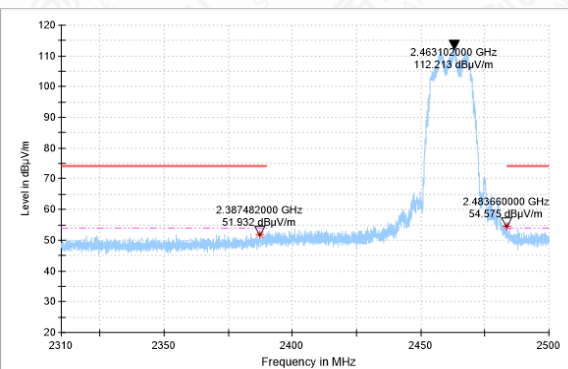
BANDEDGE-11G-CH6-PK



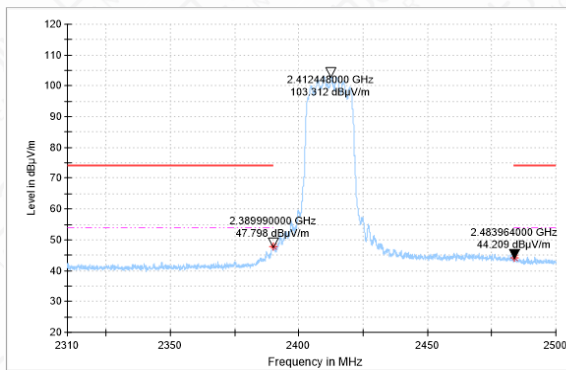
BANDEDGE-11G-CH11-AV



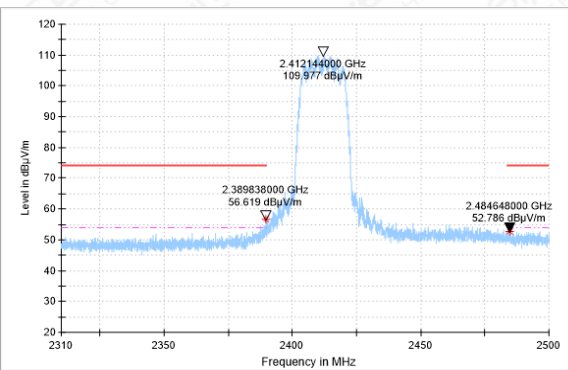
BANDEDGE-11G-CH11-PK



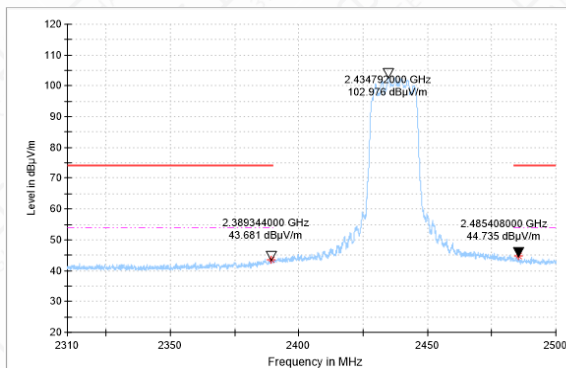
BANDEDGE-11N-CH1-AV



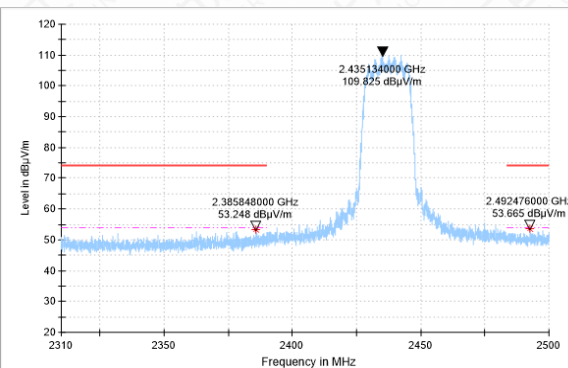
BANDEDGE-11N-CH1-PK



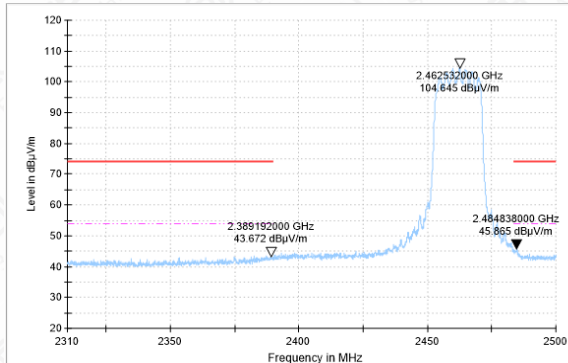
BANDEDGE-11N-CH6-AV



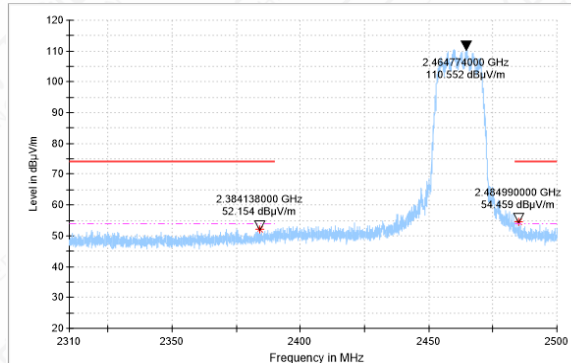
BANDEDGE-11N-CH6-PK



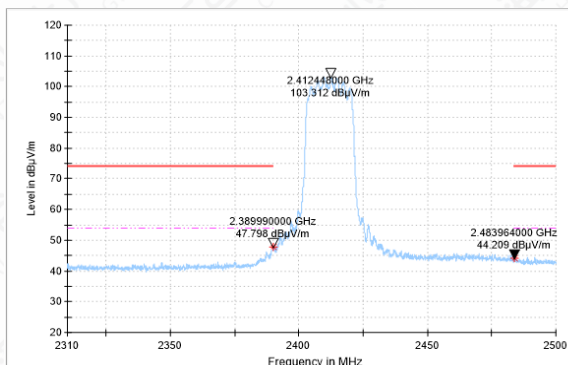
BANDEGE-11N-CH11-AV



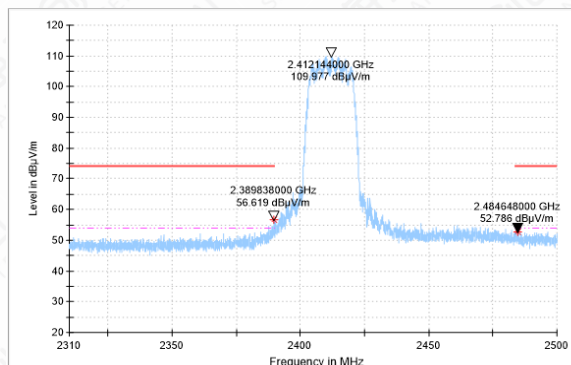
BANDEGE-11N-CH11-PK



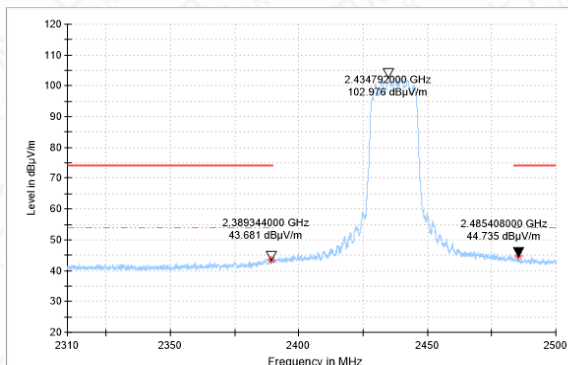
BANDEGE-11N-CH1-AV



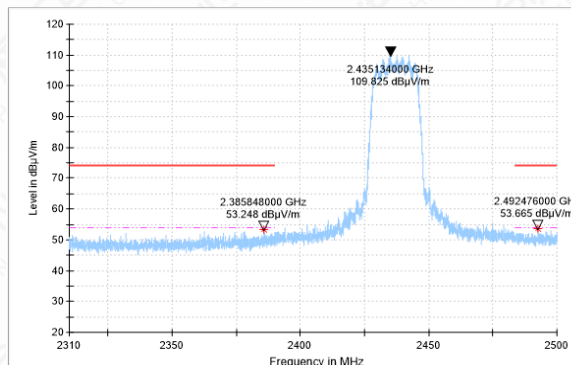
BANDEGE-11N-CH1-PK



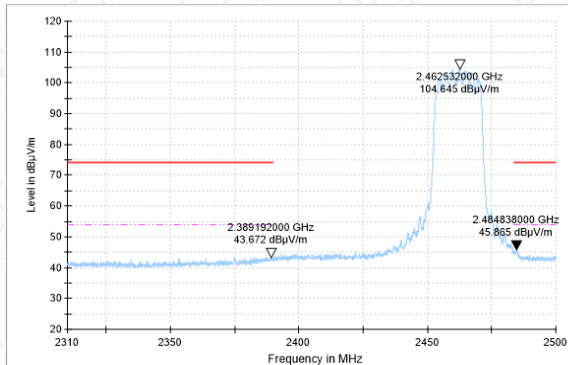
BANDEGE-11N-CH6-AV



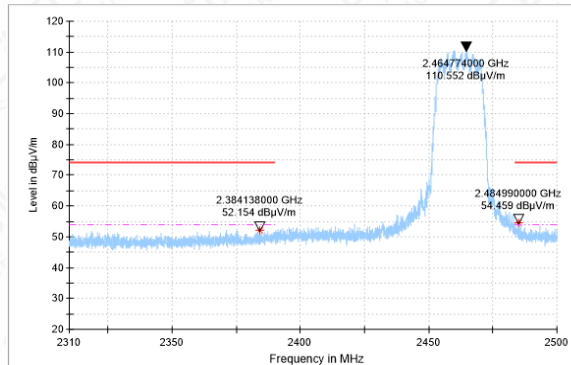
BANDEGE-11N-CH6-PK



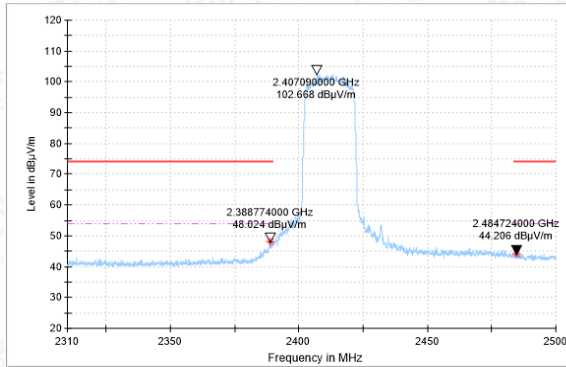
BANDEGE-11N-CH11-AV



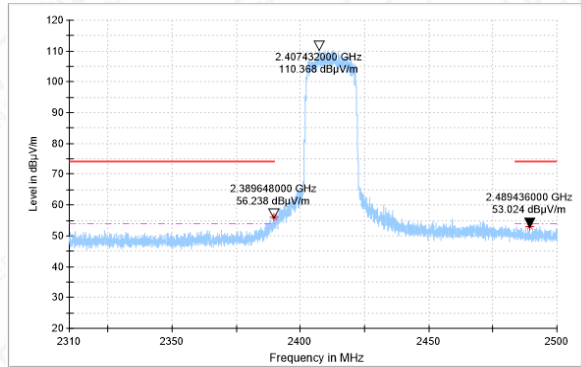
BANDEGE-11N-CH11-PK



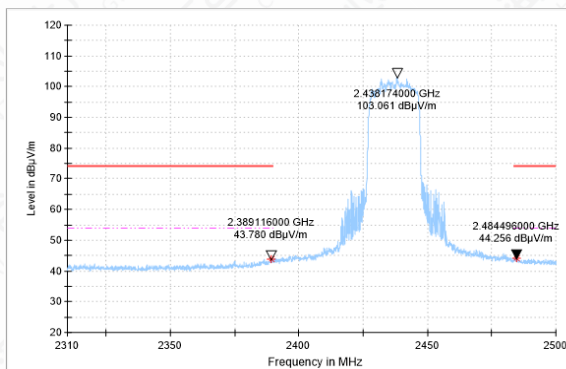
BANDEGE-11AX-CH1-AV



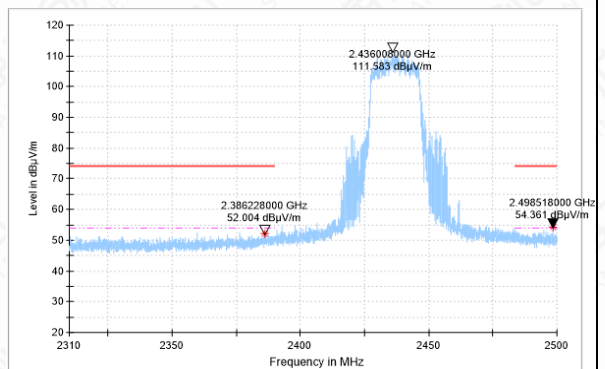
BANDEGE-11AX-CH1-PK



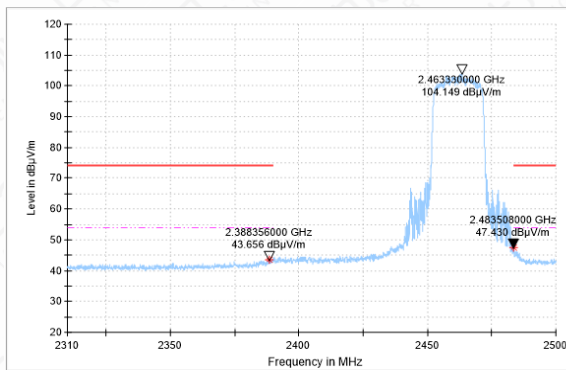
BANDEGE-11AX-CH6-AV



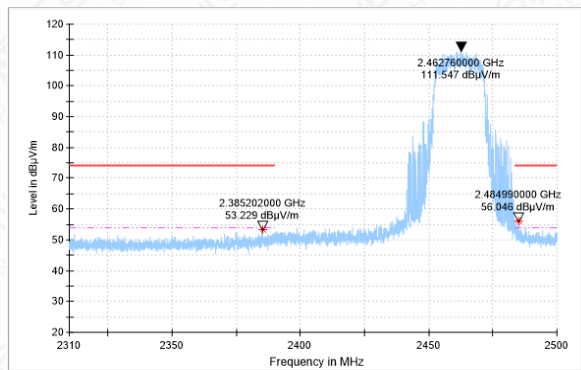
BANDEGE-11AX-CH6-PK



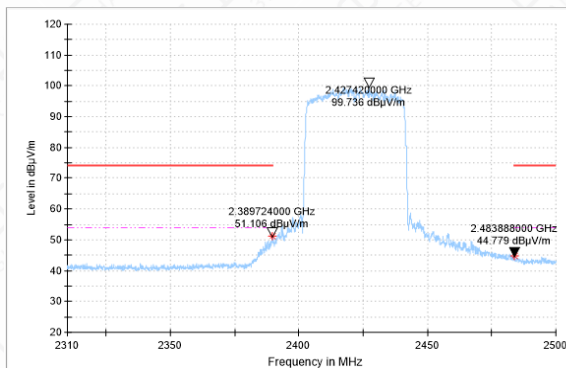
BANDEGE-11AX-CH11-AV



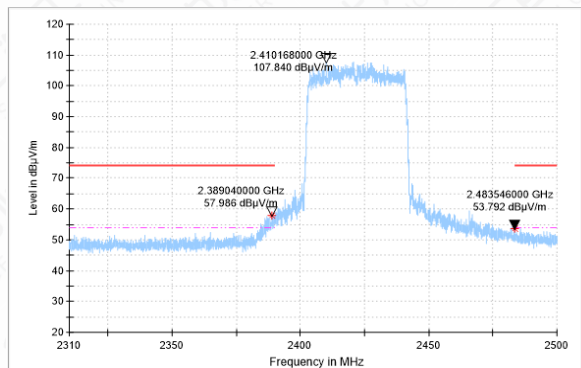
BANDEGE-11AX-CH11-PK



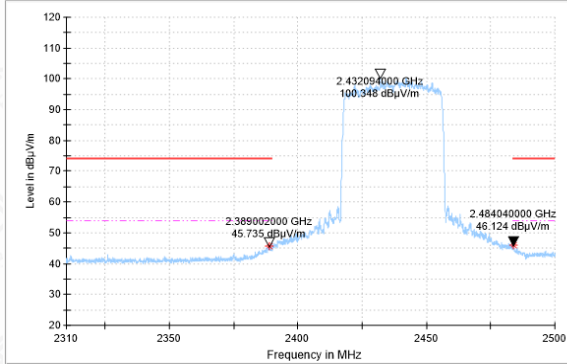
BANDEGE-11AX(40M)-CH3-AV



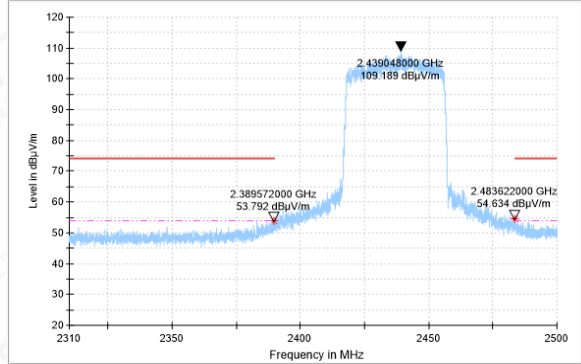
BANDEGE-11AX(40M)-CH3-PK



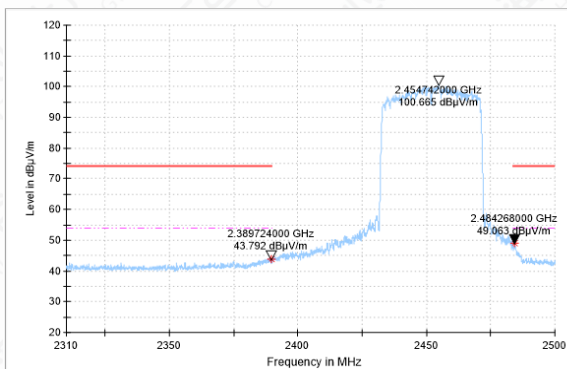
BADEGE-11AX(40M)-CH6-AV



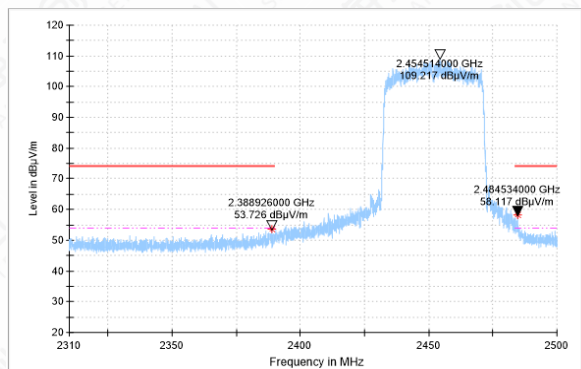
BADEGE-11AX(40M)-CH6-PK



BADEGE-11AX(40M)-CH9-AV



BADEGE-11AX(40M)-CH9-PK



RSE-11B-CH1-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
40.6	33.48	-13	46.48	6.52	40.00	V
152.9	25.98	-16	41.98	17.52	43.50	V

RSE-11B-CH1-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2305.8	51.31	14	37.31	22.69	74.00	H
2652.0	55.19	18	37.19	18.81	74.00	H
2833.7	54.24	17	37.24	19.76	74.00	V

RSE-11B-CH1-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2305.8	39.04	14	25.04	14.96	54.00	H
2652.0	41.8	18	23.8	12.20	54.00	H
2833.7	41.54	17	24.54	12.46	54.00	V

RSE-11B-CH1-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5241.1	41.5	-2	43.5	32.50	74.00	V
11650.2	45.23	3	42.23	28.77	74.00	H

RSE-11B-CH1-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5241.1	28.47	-2	30.47	25.53	54.00	V
11650.2	32.67	3	29.67	21.33	54.00	H

RSE-11B-CH6-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.4	33.51	-14	47.51	6.49	40.00	V
147.5	24.37	-17	41.37	19.13	43.50	V

RSE-11B-CH6-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2751.8	54.27	17	37.27	19.73	74.00	H

2970.1	54.86	18	36.86	19.14	74.00	H
--------	-------	----	-------	-------	-------	---

RSE-11B-CH6-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2751.8	41.64	17	24.64	12.36	54.00	H
2970.1	42.24	18	24.24	11.76	54.00	H

RSE-11B-CH6-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5456.8	42.19	-3	45.19	31.81	74.00	V
11651.8	45.2	3	42.2	28.80	74.00	H

RSE-11B-CH6-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5456.8	29.54	-3	32.54	24.46	54.00	V
11651.8	32.52	3	29.52	21.48	54.00	H

RSE-11B-CH9-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
40.3	33.83	-13	46.83	6.17	40.00	V
149.4	25.98	-17	42.98	17.52	43.50	V

RSE-11B-CH9-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2677.7	54.94	17	37.94	19.06	74.00	H
2872.0	54.1	18	36.1	19.90	74.00	H

RSE-11B-CH9-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2677.7	42.05	17	25.05	11.95	54.00	H
2872.0	41.33	18	23.33	12.67	54.00	H

RSE-11B-CH9-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4924.2	44.64	-3	47.64	29.36	74.00	V
9848.4	51.41	-1	52.41	22.59	74.00	V

RSE-11B-CH9-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
4924.2	38.71	-3	41.71	15.29	54.00	V
9848.4	47.43	-1	48.43	6.57	54.00	V

RSE-11G-CH1-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.5	33.1	-13	46.1	6.90	40.00	V
148.8	25.36	-17	42.36	18.14	43.50	V

RSE-11G-CH1-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2673.0	54.51	18	36.51	19.49	74.00	H
2898.2	54.51	17	37.51	19.49	74.00	V

RSE-11G-CH1-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2673.0	42.1	18	24.1	11.90	54.00	H
2898.2	41.71	17	24.71	12.29	54.00	V

RSE-11G-CH1-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5509.8	42.13	-3	45.13	31.87	74.00	V
9653.5	48.46	-1	49.46	25.54	74.00	V

RSE-11G-CH1-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5509.8	29.28	-3	32.28	24.72	54.00	V
9653.5	33.56	-1	34.56	20.44	54.00	V

RSE-11G-CH6-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.5	33.44	-13	46.44	6.56	40.00	V
153.0	25.89	-16	41.89	17.62	43.50	V

RSE-11G-CH6-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2639.1	53.98	17	36.98	20.02	74.00	H
2854.9	54.8	18	36.8	19.20	74.00	V

RSE-11G-CH6-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2639.1	41.7	17	24.7	12.30	54.00	H
2854.9	41.73	18	23.73	12.27	54.00	V

RSE-11G-CH6-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
7312.0	46.69	-2	48.69	27.31	74.00	V
9756.1	46.25	-1	47.25	27.75	74.00	V

RSE-11G-CH6-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
7312.0	32.27	-2	34.27	21.73	54.00	V
9756.1	31.92	-1	32.92	22.08	54.00	V

RSE-11G-CH11-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
40.5	34.06	-13	47.06	5.94	40.00	V
148.5	25.53	-17	42.53	17.97	43.50	V

RSE-11G-CH11-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2681.9	55.09	17	38.09	18.91	74.00	H
2747.7	54.32	17	37.32	19.68	74.00	V

RSE-11G-CH11-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2681.9	41.82	17	24.82	12.18	54.00	H
2747.7	41.74	17	24.74	12.26	54.00	V

RSE-11G-CH11-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5483.5	41.81	-3	44.81	32.19	74.00	H
9842.9	47.94	-1	48.94	26.06	74.00	V

RSE-11G-CH11-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5483.5	29.48	-3	32.48	24.52	54.00	H
9842.9	33.6	-1	34.6	20.40	54.00	V

RSE-11N-CH1-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
40.5	34.14	-13	47.14	5.86	40.00	V
150.0	25.66	-16	41.66	17.84	43.50	V

RSE-11N-CH1-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2523.4	54.44	16	38.44	19.56	74.00	V
2608.3	54.02	17	37.02	19.98	74.00	V

RSE-11N-CH1-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2523.4	40.46	16	24.46	13.54	54.00	V
2608.3	40.9	17	23.9	13.10	54.00	V

RSE-11N-CH1-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9643.1	47.21	-1	48.21	26.79	74.00	V
16748.5	48.19	11	37.19	25.81	74.00	V

RSE-11N-CH1-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9643.1	31.94	-1	32.94	22.06	54.00	V
16748.5	36.1	11	25.1	17.90	54.00	V

RSE-11N-CH6-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.5	32.86	-13	45.86	7.14	40.00	V
149.0	26.09	-17	43.09	17.41	43.50	V

RSE-11N-CH6-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2667.0	54.52	18	36.52	19.48	74.00	H
2794.2	54.02	17	37.02	19.98	74.00	H

RSE-11N-CH6-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2667.0	42.01	18	24.01	11.99	54.00	H
2794.2	41.27	17	24.27	12.73	54.00	H

RSE-11N-CH6-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
7309.8	44.85	-2	46.85	29.15	74.00	V
9746.2	47.58	-1	48.58	26.42	74.00	V

RSE-11N-CH6-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
7309.8	31.28	-2	33.28	22.72	54.00	V
9746.2	33.71	-1	34.71	20.29	54.00	V

RSE-11N-CH11-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.4	33.55	-14	47.55	6.45	40.00	V
150.7	25.71	-16	41.71	17.79	43.50	V

RSE-11N-CH11-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2689.0	54.72	17	37.72	19.28	74.00	H
2839.6	54.63	18	36.63	19.37	74.00	V

RSE-11N-CH11-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2689.0	41.57	17	24.57	12.43	54.00	H
2839.6	41.78	18	23.78	12.22	54.00	V

RSE-11N-CH11-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9843.2	46.57	-1	47.57	27.43	74.00	V
13316.8	45.2	4	41.2	28.80	74.00	V

RSE-11N-CH11-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9843.2	32.53	-1	33.53	21.47	54.00	V
13316.8	32.76	4	28.76	21.24	54.00	V

RSE-11N(40M)-CH3-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.6	33.44	-13	46.44	6.56	40.00	V
150.1	26.31	-16	42.31	17.19	43.50	V

RSE-11N(40M)-CH3-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2661.0	54.47	18	36.47	19.53	74.00	V
2845.5	54.59	18	36.59	19.41	74.00	H

RSE-11N(40M)-CH3-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2661.0	41.9	18	23.9	12.10	54.00	V
2845.5	41.83	18	23.83	12.17	54.00	H

RSE-11N(40M)-CH3-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9693.2	42.06	-1	43.06	31.94	74.00	V
12863.9	45.2	4	41.2	28.80	74.00	V

RSE-11N(40M)-CH3-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9693.2	28.89	-1	29.89	25.11	54.00	V
12863.9	32.53	4	28.53	21.47	54.00	V

RSE-11N(40M)-CH6-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.5	33.47	-13	46.47	6.53	40.00	V
40.9	33.57	-13	46.57	6.43	40.00	V
150.1	26.25	-16	42.25	17.25	43.50	V

RSE-11N(40M)-CH6-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2587.9	53.77	17	36.77	20.23	74.00	H
2744.0	54.48	17	37.48	19.52	74.00	H

RSE-11N(40M)-CH6-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2587.9	41.12	17	24.12	12.88	54.00	H
2744.0	41.78	17	24.78	12.22	54.00	H

RSE-11N(40M)-CH6-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5506.4	41.94	-3	44.94	32.06	74.00	V
9758.0	42.19	-1	43.19	31.81	74.00	V

RSE-11N(40M)-CH6-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
5506.4	29.16	-3	32.16	24.84	54.00	V
9758.0	29.17	-1	30.17	24.83	54.00	V

RSE-11N(40M)-CH9-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
40.4	31.94	-13	44.94	8.06	40.00	V
149.8	25.96	-16	41.96	17.54	43.50	V

RSE-11N(40M)-CH9-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2580.1	53.95	17	36.95	20.05	74.00	V
2943.3	55.22	18	37.22	18.78	74.00	V

RSE-11N(40M)-CH9-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2580.1	41.35	17	24.35	12.65	54.00	V
2943.3	42.33	18	24.33	11.67	54.00	V

RSE-11N(40M)-CH9-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
11616.1	46.02	4	42.02	27.98	74.00	V
17539.6	47.71	10	37.71	26.29	74.00	V

RSE-11N(40M)-CH9-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
11616.1	32.65	4	28.65	21.35	54.00	V
17539.6	35.02	10	25.02	18.98	54.00	V

RSE-11AX-CH1-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.4	33.14	-14	47.14	6.86	40.00	V
148.7	25.67	-17	42.67	17.83	43.50	V

RSE-11AX-CH1-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2564.4	53.64	17	36.64	20.36	74.00	H
2660.9	54.55	18	36.55	19.45	74.00	V

RSE-11AX-CH1-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2564.4	40.77	17	23.77	13.23	54.00	H
2660.9	41.92	18	23.92	12.08	54.00	V

RSE-11AX-CH1-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9652.5	46.45	-1	47.45	27.55	74.00	V
16755.5	48.66	11	37.66	25.34	74.00	V

RSE-11AX-CH1-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9652.5	31.02	-1	32.02	22.98	54.00	V
16755.5	36.1	11	25.1	17.90	54.00	V

RSE-11AX-CH6-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
40.6	33.92	-13	46.92	6.08	40.00	V
148.1	25.52	-17	42.52	17.98	43.50	V

RSE-11AX-CH6-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2688.1	54.22	17	37.22	19.78	74.00	H
2977.1	54.74	18	36.74	19.26	74.00	V

RSE-11AX-CH6-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2688.1	41.59	17	24.59	12.41	54.00	H
2977.1	42.29	18	24.29	11.71	54.00	V

RSE-11AX-CH6-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9758.0	46.72	-1	47.72	27.28	74.00	V
17871.6	48.78	11	37.78	25.22	74.00	V

RSE-11AX-CH6-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9758.0	30.83	-1	31.83	23.17	54.00	V
17871.6	35.6	11	24.6	18.40	54.00	V

RSE-11AX-CH11-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
37.6	31.28	-14	45.28	8.72	40.00	V
40.3	33.23	-13	46.23	6.77	40.00	V
74.7	16.53	-17	33.53	23.47	40.00	V
148.1	25.25	-17	42.25	18.25	43.50	V
221.5	10.29	-12	22.29	35.71	46.00	V
866.7	23.7	1	22.7	22.30	46.00	H

RSE-11AX-CH11-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2659.9	54.44	18	36.44	19.56	74.00	V
2945.9	54.93	18	36.93	19.07	74.00	V

RSE-11AX-CH11-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2659.9	41.94	18	23.94	12.06	54.00	V
2945.9	42.36	18	24.36	11.64	54.00	V

RSE-11AX-CH11-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9843.8	46.75	-1	47.75	27.25	74.00	V
17829.9	48.36	11	37.36	25.64	74.00	H

RSE-11AX-CH11-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9843.8	32.45	-1	33.45	21.55	54.00	V
17829.9	35.62	11	24.62	18.38	54.00	H

RSE-11AX(40M)-CH3-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.4	33.25	-14	47.25	6.75	40.00	V
148.6	25.96	-17	42.96	17.54	43.50	V

RSE-11AX(40M)-CH3-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2677.5	55	17	38	19.00	74.00	H
2942.8	54.98	18	36.98	19.02	74.00	H

RSE-11AX(40M)-CH3-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2677.5	42.07	17	25.07	11.93	54.00	H
2942.8	42.34	18	24.34	11.66	54.00	H

RSE-11AX(40M)-CH3-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9686.8	46.05	-1	47.05	27.95	74.00	V
17855.1	47.87	11	36.87	26.13	74.00	H

RSE-11AX(40M)-CH3-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9686.8	30.64	-1	31.64	23.36	54.00	V
17855.1	35.38	11	24.38	18.62	54.00	H

RSE-11AX(40M)-CH6-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
39.5	33.43	-13	46.43	6.57	40.00	V
151.9	25.65	-16	41.65	17.85	43.50	V

RSE-11AX(40M)-CH6-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2588.8	53.73	17	36.73	20.27	74.00	H
2733.5	54.44	17	37.44	19.56	74.00	V

RSE-11AX(40M)-CH6-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2588.8	41.1	17	24.1	12.90	54.00	H
2733.5	41.42	17	24.42	12.58	54.00	V

RSE-11AX(40M)-CH6-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9746.8	45.32	-1	46.32	28.68	74.00	V
17828.4	48.31	11	37.31	25.69	74.00	H

RSE-11AX(40M)-CH6-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9746.8	29.78	-1	30.78	24.22	54.00	V
17828.4	35.49	11	24.49	18.51	54.00	H

RSE-11AX(40M)-CH9-30MHz-1GHz

Frequency (MHz)	QuasiPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
40.5	33.94	-13	46.94	6.06	40.00	V
155.2	25.69	-16	41.69	17.81	43.50	V

RSE-11AX(40M)-CH9-1GHz-3GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2564.5	55.47	17	38.47	18.53	74.00	V
2849.8	54.61	18	36.61	19.39	74.00	H

RSE-11AX(40M)-CH9-1GHz-3GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
2564.5	40.8	17	23.8	13.20	54.00	V
2849.8	41.83	18	23.83	12.17	54.00	H

RSE-11AX(40M)-CH9-3GHz-18GHz

Frequency (MHz)	MaxPeak(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9788.9	43.01	-1	44.01	30.99	74.00	V
16554.9	48.69	10	38.69	25.31	74.00	H

RSE-11AX(40M)-CH9-3GHz-18GHz

Frequency (MHz)	Average(dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Margin(dB)	Limit(dBμV/m)	Polarity
9788.9	30.04	-1	31.04	23.96	54.00	V
16554.9	34.56	10	24.56	19.44	54.00	H

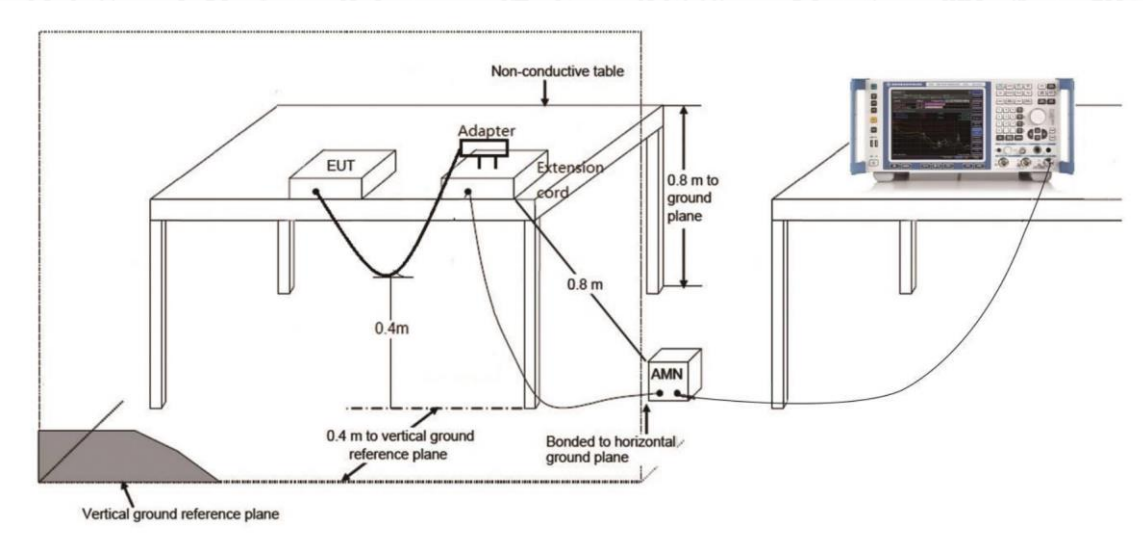
6.9 AC Powerline Conducted Emission

6.9.1 Method of Measurement: ANSI C63.10-2013-clause 6.2

1. The one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.
2. If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.
3. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.
4. If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.

If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the measurements within the fundamental emission band of the transmitter, but only for those measurements.³⁶ Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

6.9.2 Test Setup



6.9.3 Test Condition

Voltage (V)	Frequency (Hz)
120	60

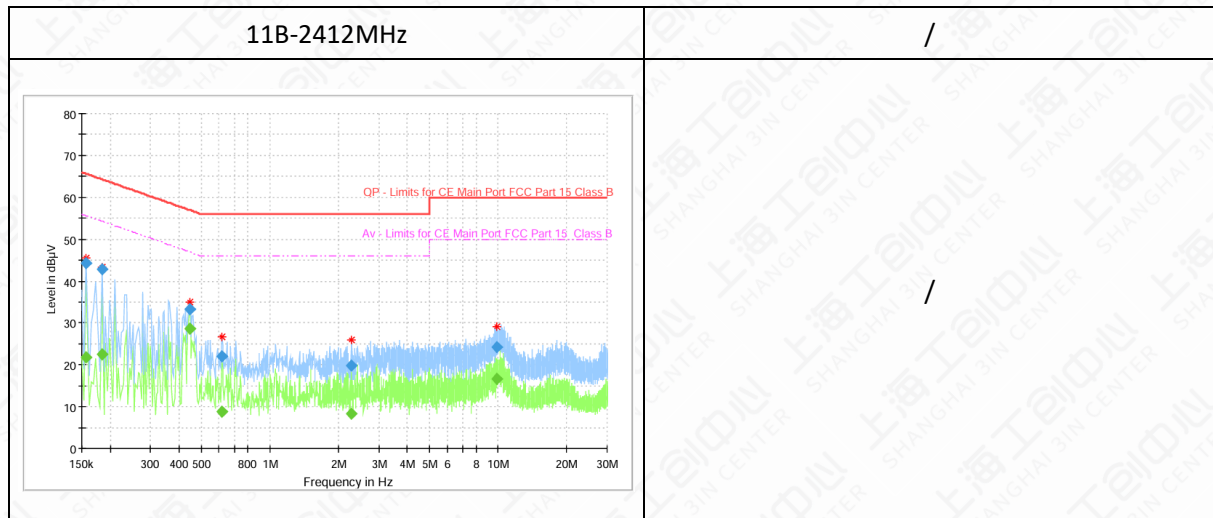
6.9.4 Measurement limit

(Quasi-peak-average Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Conclusion
0.15 to 0.5	66 to 56	56 to 46	P
0.5 to 5	56	46	
5 to 30	60	50	

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

6.9.5 Measurement Result



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas.Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.157463	---	21.77	55.60	33.82	15000.0	9.000	L1	ON	9.6
0.157463	44.36	---	65.60	21.24	15000.0	9.000	L1	ON	9.6
0.183581	---	22.40	54.32	31.92	15000.0	9.000	L1	ON	9.6
0.183581	42.84	---	64.32	21.48	15000.0	9.000	L1	ON	9.6
0.444769	---	28.64	46.97	18.33	15000.0	9.000	L1	ON	9.6
0.444769	33.28	---	56.97	23.69	15000.0	9.000	L1	ON	9.6
0.616406	---	8.70	46.00	37.30	15000.0	9.000	N	ON	9.6
0.616406	22.10	---	56.00	33.90	15000.0	9.000	N	ON	9.6
2.284275	19.90	---	56.00	36.10	15000.0	9.000	L1	ON	9.6
2.284275	---	8.23	46.00	37.77	15000.0	9.000	L1	ON	9.6
9.922144	24.14	---	60.00	35.86	15000.0	9.000	L1	ON	9.8
9.922144	---	16.57	50.00	33.43	15000.0	9.000	L1	ON	9.8

Note:

1. All modes have been tested and only the worst mode is recorded in the report.
2. L1 and N is all have been tested, the result of them is synthesized in the above data diagram.

Annex A: Revised History

Version	Revised Content
V0	Initial

Annex B: Accreditation Certificate



END OF REPORT